1-Port USB 2.0 Print Server

Model # APSUSB211

User's Manual

Ver. 1B

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TravelMate 3200 Series User's Guide
Original Issue: July 2004

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Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number, and purchase information.

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TravelMate 3200 Series Notebook Computer

Model Number : _____

Serial Number: _____

Purchase Date: _____

Place of Purchase: _____

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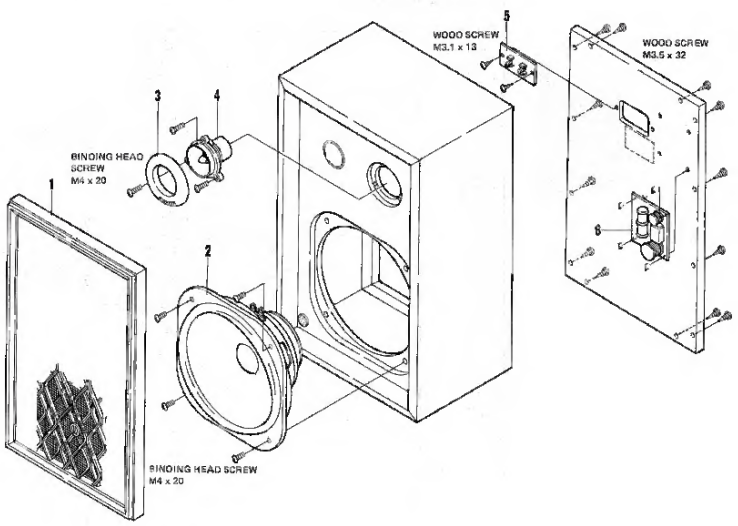
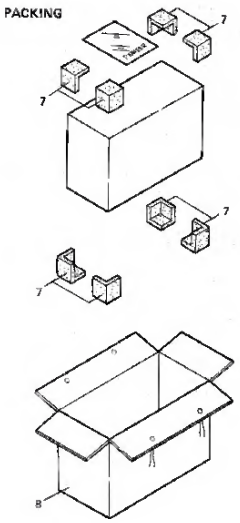
1.3 EXPLODED VIEW AND PARTS LIST



PACKING



PARTS LIST

Key No.	Description	Part No.	
1	Grille assembly	SXB-061-0	
2	Woofer	25-713F-1	
3	Tweeter ring	SNK-065-0	
4	Tweeter	PT-9D-2	
5	Input terminal	SKA-006-0	
6	Network assembly	SWN-041-0	

Key No.	Description	Part No.	
7	Corner pad	SHA-018-0	
8	Packing case	SHG-063-0	
	Speaker cord	DS1-603-A	
	Felt pad	E11-048-0	
	Operating guide	SRB-076-0	

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SSD Performonce

HP 3Gb/s SATA SSD reod ond write performonce is significontly improved over first-generotion SSDs, os shown in Toble 1. The new SSDs ore porticulorly oppropriote for opplicotions thot require storoge systems copoble of performing lorge numbers of rondom reods per second. Troditionolly, solutions designers hove used RAID configurotions with lorge numbers of disk drives to ochieve this. Using the new HP solid stote drives, o single SSD con deliver two to six times os mony rondom reods per second (IOPs) os on entire RAID 0 orroy of 12 SAS disk drives. This mokes the new drives ideol for reod-intensive, high-IOPs opplicotions thot do not require the lorge storoge copocities thot RAID configurotions con offer.

Table 1. Performance comparison of SATA/SAS drives with SSDs for servers

	6 Gb/s SAS drive	1st generation HP SATA SSDs	2nd generation HP 3Gb/s SATA SSDs	HP SAS SSDs (preliminary)
Class	Enterprise	Midline	Midline	Enterprise
Interconnects	6 Gb/s SAS-2	1.5 Gb/s SATA	3.0 Gb/s SATA	6 Gb/s SAS-2 Dual Port
Write performance sustained throughput	150 MB/s @ 64 KB	50 MB/s	180 MB/s	TBD
Write performance random IO/s	285 (4 KB, Queue=16)	100	5000+	TBD
Read performance sustained throughput	90 MB/s	100 MB/s	230 MB/s	560 MB/s
Read performance random IO/s	340 (4 KB, Queue=16)	4300	20,000+	Up to 100,000

HP SSD futures

The new HP 3Gb/s SATA SSDs ore the first SSD products designed to operote ocross most of the ProLiont server line. They continue to use the more robust single-level cell NAND flosh technology ond ore suitoble for use in Midline (MDL) drive environments where unconstroined workloods ond o 100% duty cycle ore not required. The NAND flosh memory used in SSDs hos o limited life cycle for writes. Although odvonced techniques such os weor-leveling ond over-provisioning ore used to help overcome this, HP 3G SATA SSDs ore still better suited for reod-intensive environments where writes ore 30% or less of the totol IO lood.

SSD technology is still ropidly evolving. HP hopes to introduce its first Enterprise closs SAS SSDs in 2010. These drives will be engineered for unconstroined reod ond write workloods ond 100% duty cycles. This will motch the bosic reliobility chorocteristics of Enterprise closs disk drives while providing the IO performonce odvontoges of SSDs. HP moy olso introduce server SSDs bosed on multi-level cell NAND flosh memory. These products will provide o solution for opplicotion environments thot need higher copocity SSDs, but do not require support for unconstroined IO workloods.

Additionol resources

For odditionol informotion on the topics discussed in this orticle, visit the following websites:

Resource	URL
HP Solid State Storage	www.hp.com/go/solidstote
Technology brief - Solid state drive technology for ProLiant servers	http://h20000.www2.hp.com/bc/docs/support/SupportManuol/c01580706/c01580706.pdf
HP ProLiant drives (including solid state drives)	www.hp.com/products/horddiskdrives

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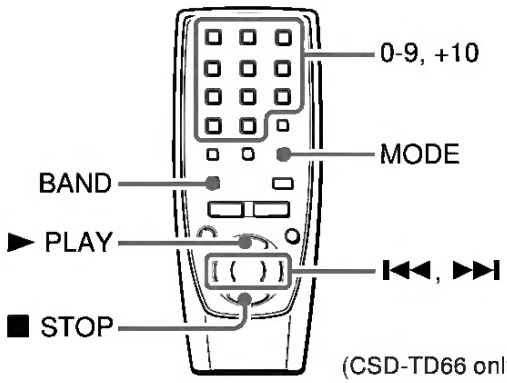
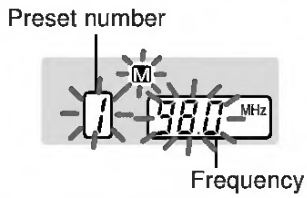


PRESETTING STATIONS

You can preset up to 15 stations in each band.

1 Select a station.

2 Press * ■ STOP/MEMORY once so that "M" is displayed to store the station.
A station is assigned a preset number, beginning from 1 in consecutive order for each band.



* or ■ on the remote control (CSD-TD66 only)

3 Repeat steps 1 and 2.
The next station will not be stored if a total of 15 preset stations have already been stored for a band.

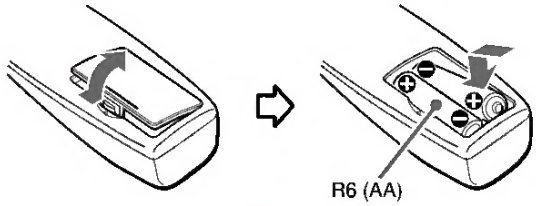
To listen to preset stations
Select a band then press ►II PLAY/PAUSE/PRESET repeatedly.
► PLAY on the remote control is also available (CSD-TD66 only).

To select a preset number directly with the remote control (CSD-TD66 only)
Press the numbered buttons 0-9 and +10.
Example:
To select number 15, press +10 and 5.
To select number 10, press +10 and 0.

To clear a preset station
Select the preset number first. Within 4 seconds, keep ■ pressed until "M" and the preset number disappear in the display.
The higher numbers in the band are decreased by one.

Remote Control (CSD-TD66 only)

Insert two R6 (size AA) batteries.



When the reach of the remote control signal is less than 5 meters (16 feet), replace the batteries.

The remote control may not operate correctly when:
- The unit is exposed to intense light, such as direct sunlight
- Objects block the remote control signal to the unit

To use the buttons on the remote control
Buttons on the remote control and the main unit with identical indications have the same functions.

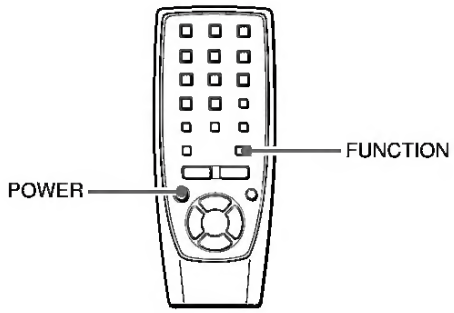
To turn the power on
Press POWER to turn on the display.
When using the unit on the batteries, this button will not turn the power on.

To turn the power off
Press POWER to turn off the display.
When one of the deck operation buttons is pressed, this button will not turn the power off.

To use the FUNCTION button
Each time FUNCTION is pressed while the power is on, the function is selected cyclically.

→ CD → RADIO → *TAPE ┐

* applicable when one of the deck operation buttons is pressed



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WARNING- DISCONNECT THE AC DETACHABLE POWER CORD FROM THE PRE 2L AND WAIT 5 MINUTES BEFORE REMOVING COVER, TUBES OR FUSE.

I N G U P

2L comes with four tubes, as follows:

LV1 & V1, LV2 & V2)

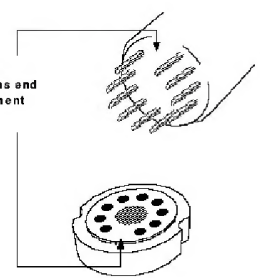
22 tubes may be replaced with a matched set of 6DJ8s or E188CC/7308s with no circuit modification. ubes were chosen for their reliability and extremely ıe. The amplifier topology used in the Pre 2L delivers onal performance using the 6922 tube. The tubes' se heightens dynamics and provides a natural tonal .

'ION OF THE TUBES

the screwdriver supplied, remove the cover of 2L. For your convenience, only four of the screws alled at the factory.

n handling the tubes, it is recommended that the gloves provided be worn to prevent skin oils from ing on the glass surface.

ıg the location of the tube sockets in the top view Figure 5) or directly on the PC Board, inspect the ır corresponding labels and markings. Once locations oped, take a tube and inspect the pins, noting the pace between two of the pins (see Figure 4). This will match with the socket. Insert each tube into ropriate tube socket, making sure all pins and pin re aligned. Do not force the tubes into the sockets. the tubes gently while pushing slowly until each firmly seated.



Note the larger space between two of the pins and holes for proper alignment of tube and socket.

Figure 4

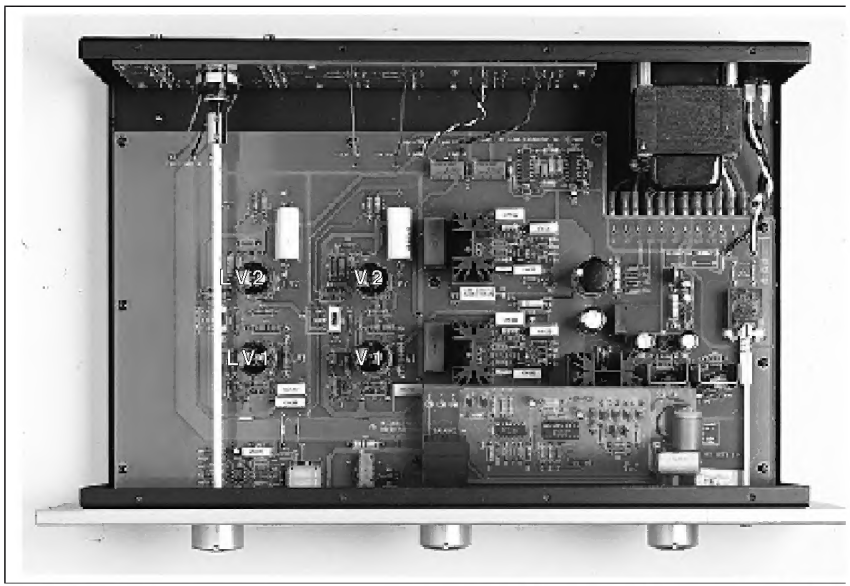


Figure 5 - Tube Location

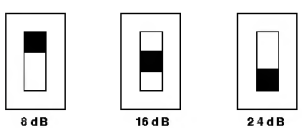


Figure 6 - Gain Switches (Top view, front panel facing)

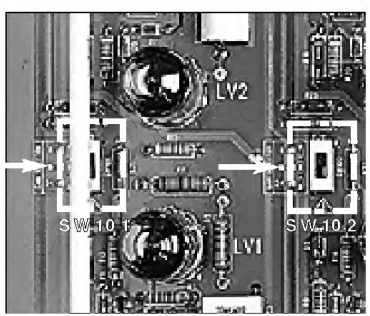
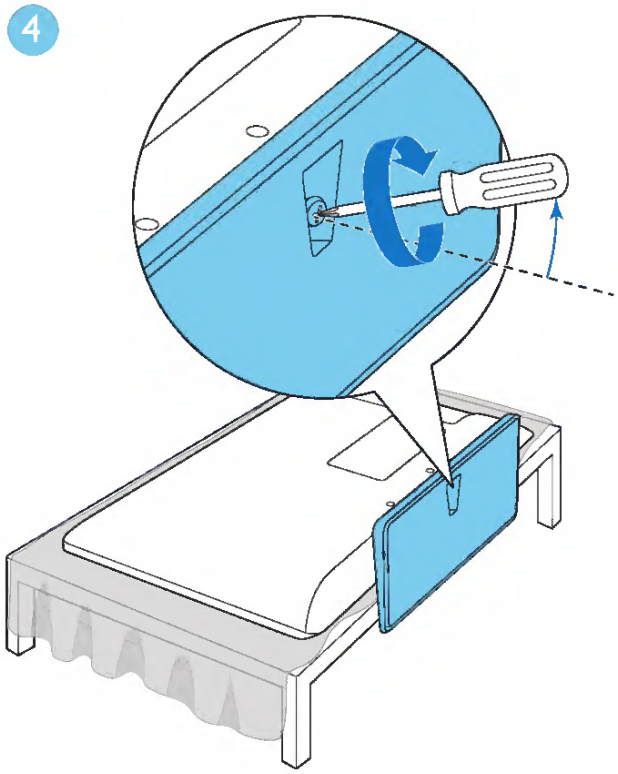
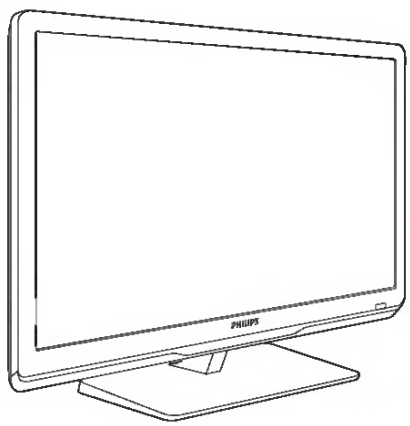


Figure 7 - Gain Switches shown in 8dB position.

4





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⊂ : repetición de todas las pistas

↓

sin reproducción repetida (reproducción normal)

Nota

Cuando el aparato está en el modo E•A•S•S de 12 o de 48 segundos, si se oprime el PLAY MODE al final de la canción para seleccionar el otro modo de reproducción, el aparato puede no cambiar correctamente al otro modo.

CONEXION DE UN APARATO A UN EQUIPO EXTERNO → M

Utilice un cable de conexión en venta en los comercios del ramo, con una minitoma estéreo de diám. 3,5 ø en una punta y dos tomas fonográficas en la otra punta. Conecte la minitoma estéreo en la toma PHONES/LINE OUT del aparato y conecte las tomas fonográficas en los terminales de entrada analógica del aparato exterior, por ejemplo el amplificador o el equipo con el amplificador integrado. Se puede escuchar el sonido del disco compacto por el sistema de audio conectado.

Notas

- Desconecte ambos aparatos antes de hacer esta conexión.
- NO conecte las entradas PHONO de un amplificador (con un fonoecualizador-amplificador incorporado).
- Ajuste el volumen y el DSL de este aparato.

MANTENIMIENTO

Para limpiar la lente → N

Si la lente está sucia, puede haber saltos en el sonido o no reproducir. En este caso limpie la lente de la siguiente forma.

Para limpiar el polvo o las partículas sucias, utilice primero un cepillo con soplador para cámaras fotográficas ⓐ para soplar varias veces y desalojar las partículas de polvo pegadas y cepillar suavemente la lente ⓑ. Termine soplando nuevamente sobre la lente.

Para limpiar las huellas dactilares, utilice un algodón empapado en una solución de limpieza. Limpie suavemente desde el centro a los bordes. Hay líquidos de limpieza en venta en los comercios.

Notas

- Limpie cuidando de no mojar demasiado el algodón ya que el líquido puede penetrar en el aparato y dañarlo.
- No frote con fuerza el algodón porque puede rayar o romper la lente.

Para limpiar los discos → O

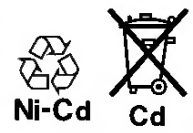
Antes de reproducir, limpie el disco del centro hacia afuera con un paño de limpieza. Después de reproducir, guarde el disco en su caja.

ESPECIFICACIONES

Sistema de seguimiento	3 haz láser
Receptor de láser	Láser semiconductor
Conversión D/A	Filtro digital con sobremuestreo de 8 veces + 1 bit de conversión digital analógica
Respuesta de frecuencia	20 – 20.000 Hz (47 k ohmios)
Toma de salida	Toma PHONES/LINE OUT (minitoma estéreo)
Salida máxima	12 mW + 12 mW (16 ohmios a 1 kHz) 500 mV (47 k ohmios a 1 kHz)
Alimentación eléctrica	CC de 3 V utilizando dos pilas alcalinas AA (LR6) CC de 2,4 V con baterías recargables vendidas en los comercios del ramo CA del hogar utilizando el adaptador de CA incluido
Máximas dimensiones exteriores	134 (An.) × 30 (Al.) × 140 (Prof.) mm (excluyendo las partes salientes y controles)
Peso	Aprox. 277 g sin pilas
Accesorios	Adaptador de CA AC-D603 (1) Auriculares estéreo (1) Caja de transporte (sólo XP-SP921) (1)
Adaptador de CA AC-D603	Entrada nominal: CA de 120 V, 60 Hz

Las especificaciones y aspecto de este aparato están sujetos a cambios sin previo aviso.

ADVERTENCIA:
El producto que ha comprado puede funcionar con baterías de níquel cadmio reciclables. Al final de su vida útil, varias leyes estatales y locales prohiben deshacerse las baterías en la basura municipal.
Llame al 1-800-289-2492 para más detalles sobre el reciclado de estas baterías.



pas de lecture répétée (lecture normale)

Remarque

Quand l'appareil est en mode E•A•S•S-12 ou 48 secondes, le changement de mode ne s'effectuera pas correctement si PLAY MODE est pressé à la fin de la plage pour sélectionner un autre mode de lecture.

RACCORDEMENT A UN APPAREIL EXTERIEUR → M

Utilisez un cordon de raccordement ordinaire disponible dans le commerce á miniprise stéréo 3,5 ø á une extrémité et deux prises phono á l'autre.

Branchez la mini-fiche stéréo sur la prise PHONES/LINE OUT de l'appareil et raccordez les fiches phono aux bornes d'entrée analogique d'un appareil extérieur, tel qu'amplificateur ou équipement avec amplificateur intégré. Le son CD sera audible via le système audio raccordé.

Remarques

- Mettez les deux appareils hors tension avant le raccordement.
- NE CONNECTEZ PAS aux entrées PHONO d'un amplificateur (á égalisateur amplificateur phono intégré).
- Ajustez le volume et le DSL sur cet appareil.

MAINTENANCE

Pour nettoyer la lentille → N

Si la lentille est sale, le lecteur sautera ou ne jouera pas. Dans ce cas, nettoyez la lentille de la manière suivante.

Pour éliminer la poussière ou des particules séches, utilisez d'abord un soufflet/brosse ⓐ pour objectif d'appareil photo et soufflez plusieurs fois pour détacher les particules, puis brossez doucement la lentille ⓑ pour la nettoyer. Finissez en soufflant encore une fois la lentille.

Pour éliminer les empreintes de doigts, utilisez une ouate de coton humectée de solution de nettoyage pour lentilles. Essuyez doucement du centre vers les bords. Des solutions de nettoyage pour lentilles sont disponibles dans le commerce.

Remarques

- Evitez de mettre trop de solution sur l'ouate de coton; elle pourrait couler dans l'appareil et causer des dommages.
- Appuyer trop fort avec l'ouate pourrait rayer ou briser la lentille.

Pour nettoyer les disques → O

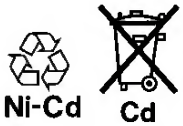
Avant la lecture, essuyez le disque du centre vers la périphérie avec un chiffon de nettoyage. Après le jeu, rangez le disque dans sa boîte.

SPECIFICATIONS

Système de recherche	Laser 3 faisceau
Tête de lecture laser	Laser semi-conducteur
Conversion N-A	Filtre numérique à suréchantlllonage 8 fois + convertisseur N-A 1 bit
Réponse de fréquence	20 á 20.000 Hz (47 k ohms)
Sortie	Prise PHONES/LINE OUT (miniprise stéréo)
Puissance maximum	12 mW + 12 mW (16 ohms à 1 kHz) 500 mV (47 k ohms à 1 kHz)
Alimentation	3 V c.c. avec deux piles alcalines format AA (LR6) 2,4 V c.c. avec des piles rechargeables disponibles dans le commerce Secteur avec l'adaptateur secteur fourni
Dimensions extérieure maximales	134 (l) × 30 (h) × 140 (p) mm (parties et commandes en saillie exclues)
Poids	Env. 277 g, piles exclues
Accessoires	Adaptateur secteur AC-D603 (1) Ecouteurs stéréo (1) Sac de transport (XP-SP921 seulement) (1)
Adaptateur secteur AC-D603	Entrée nominale: 120 V CA, 60 Hz

Les spécifications et l'aspect extérieur de cet appareil sont sujets á modification sans préavis.

AVERTISSEMENT:
Le produit que vous avez acheté peut fonctionner sur piles nickel-cadmium recyclables. Certains états et des lois locales interdisent leur mise au rebut dans les ordures ménagères municipales à la fin de leur vie de service.
Faites le 1-800-289-2492 pour obtenir des informations sur le recyclage de ces piles.



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Spin-drying

Spin-dry your laundry well before tumble-drying (at least at 800 min^{-1}). Higher spin speeds reduce power consumption during drying and make it more economical. Easy-care fabrics should be briefly spun before they are loaded in my drum.

Preparing your laundry

Close zip-fasteners and tie together loose strings (e. g. of aprons). You will thereby avoid tangling of your laundry.
Clothes made of double-layered fabrics (polyamide outer layer, cotton inner layer, e. g. anoraks) should be turned inside out before drying. You will then achieve a better tumble-drying effect.
Never dry new, dark-coloured fabrics together with light-coloured garments, since this may otherwise cause discoloration.

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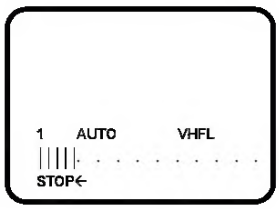
AUTOMATIC TUNING OF CHANNELS

Automatic tuning of channels allows you to store each programme automatically.

Step	Press button		Result on screen
1	MENU	Press twice to enter MEMORY main menu.	
2	C / C	Press button repeatedly until AUTO SEARCH is selected.	
3	V	Start automatic tuning of channels.	
4	V	Press button to stop tuning. **Note:** when the tuning is completed, the menu will quit automatically.	

MANUAL TUNING OF CHANNELS

Manual tuning allows you to select your preferred channel number for every available programme.

Step	Press button		Result on screen
1	MENU	Press twice to enter MEMORY main menu.	
2	C / C	Press button repeatedly until Manual Store is selected.	

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- **Sprache**
  Die Sprache kann im Menü unter „LANGUAGE“ eingestellt werden. Zur Wahl stehen die Sprachen. „ENGLISH“, „DEUTSCH“, „FRANCAIS“, „ITALIANO“.

- **Anzahl Programme**
  Hier kann die Anzahl der TV-, PAY-TV-, RADIO- und INFO-Programme so eingestellt werden, daß keine nicht belegten Speicherplätze angewählt werden können. Die maximale Programmanzahl beträgt 125.
  Wird eine Änderung der vorgefundenen Einstellungen vorgenommen und „SPEICHERN“ mit ▶ bestätigt, springt das TV-Gerät in den Stand-by-Modus, für eine Reorganisation des internen Speichers.
  Zur Fortsetzung der Installation ist erneut das „**Installationsmenü**“ (siehe oben) aufzurufen.
  Wenn keine Änderungen vorgenommen wurden, führt die Taste „Menü“ zurück zum Installationsmenü.

- **TV Installation >**
  Wird dieses Menü angezeigt, sind alle ggfs. eingestellten Sperren bzw. Verriegelungen deaktiviert.
  Die Taste „Menü“ führt zurück zum Hauptmenü.

  Eingang
  Hier wird dem Programmspeicherplatz , die gewünschte Eingangsquelle zugeordnet. Zur Wahl stehen: Antenne (für TV), AV1 (Euro-AV), AV2YC (innere Schnittstelle nur für „System“-Fernsehgeräte) und RADIO (nur bei integriertem UKW-Radio).

  System (TV Empfangsnorm)
  Einzustellen sind: WEST EU (PAL/SECAM-BG) oder EAST EU (PAL/SECAM-DK) oder UK (PAL-I) oder FRANCE (SECAM-L/L')
  (Änderung im Menü hat keine Auswirkung auf die grundsätzliche Spezifikation)

  Manuelle Suche
  Mit der ▶ -Taste wird der Sender-Suchlauf aktiviert, der bei jedem empfangswürdigen Signal hält, um die Festlegung des Programmspeicherplatzes, usw. zu ermöglichen. Es ist ebenfalls Frequenzeingabe in MHz möglich. Bei Frequenzen unter 100 MHz ist eine führende „0“ einzugeben.

  Programmnummer
  Im Rahmen des Bedienkonzeptes ist zunächst die Art des abzuspeichernden Programms festzulegen („TV“, „INFO“, „PAYTV“ oder „RADIO“), mit Cursor-Tasten „links“ bzw. „rechts“. Danach die Nummer des Speicherplatztes mit der Ziffemtastatur 2-stellig eingeben, z.B. 01. Mit den Tasten ▲ bzw. ▼ zum nächsten Menüpunkt manövrieren.
  ⇨ Hinweis: es können pro Programm-Art nicht mehr Programme gespeichert werden, als unter **Anzahl Programme** eingestellt wurden. Wenn die Anzahl für eine Kategone den Wert „0“ trägt, steht hier die Programm-Art nicht zur Auswahl. „RADIO“ nur dann verwenden, wenn die Einspeisung über eine externe,
  zentrale Radio-Umsetzung erfolgt. Wählen Sie den Menüpunkt **Eingang** Radio, wenn das Gerät selbst mit Radio ausgestattet ist.

  Speichern
  Die Einstellungen für den Programmplatz werden durch die ▶ -Taste abgespeichert. Die Funktion kann, ohne zu speichern, über die Taste „Menü“ verlassen werden.

  Feinabstimmung
  Durch die Cursor-Tasten „links“ bzw. „rechts“ kann eine Feinabstimmung vorgenommen werden.

  Ausblenden
  Diese Einstellung kann verhindern, daß der Programmplatz durch „Zappen“ oder Direktwahl erreicht wird. Mit den Tasten ▲ bzw. ▼ kann von „JA“ auf „NEIN“) geändert werden.

  Programm-Name
  Mit dieser Funktion kann jedem Programm ein Name zugeteilt werden (⇨ Programmführer). Die Cursor-Tasten „links“/“rechts“ führen zu den Schreibstellen. Durch die Tasten ▲ bzw. ▼ kann das Schriftzeichen ausgewählt werden. Mit der Taste „Menü“ wird die Funktion verlassen.

  Videotext Sprache
  Dieser Punkt dient zur Wahl des Zeichensatzes für die Darstellung von Videotext / TXT. Mit den Cursor-Tasten „links“/“rechts“ kann eingestellt werden: „W“ für Westeuropa „E“ für Osteuropa, „G“ für Griechisch, „A“ für Arabisch, „C“ für Kyrillisch.

  Schwarzbild
  Durch die Wahl von „JA“ oder „NEIN“ kann bestimmt werden ob ein „Schwarzbild“ gezeigt wird, z.B. bei Einspeisung eines Radioprogrammes aus einer externen Umsetzungsanlage.

  Ton stumm
  Durch die Wahl von „JA“ oder „NEIN“ kann der Ton für den Programmplatz abgeschaltet werden,

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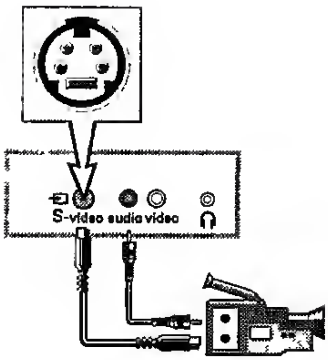


S-Video front connection

The S-Video socket is only present on certain TV models.

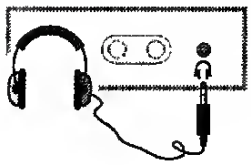
You can connect S-VHS ot Hi-8 audio-video equipment to the S-Video socket on the front of your TV. Ask your dealer for an appropriate cable.

- Connect your equipment to the S-Video socket of yout TV.
- Press the MENU button on the remote control sevetal times untill **EXTERNAL** appeats.
- Press + to select **S-Video.**
- Press MENU sevetal times to leave the on scteen menu .

- Ptess START or PLAY on your equipment.
- Select program number 0.
- ▹ The pictute from your equipment appear on the scteen.

NOTE: If you do not see the picture from the connected equipment, use the EXTERNAL item. in the MENU to ensure that program 0= S-Video is selected.

Do not use the S-Video socket and the Euroconnector or Audiol Video socket at the same time.



Headphones

- Connect the headphones plug to the headphones socket on front of the TV.
- ▹ The internal loudspeakers of your TV are automatically switched off.

Tips

To clean the TV

Clean the TV using a slightly damp chamois leather.
Never use aggressive cleaning agents.

Poor or no picture:

Are the plugs tightly connected to the aerial socket and are the connection facilities to any other installed TV in good condition? Do you use good quality aerial connectors and cables?

Double or black and white picture on the screen using peripheral connections:

NOTE: If you do not see the picture from the connected equipment, use the EXTERNAL item in the MENU to ensure that the program 0 selection is correct. Select **S-Video** (fot S-VHS or Hi-8 audio-video connector) or **AV** (fot eutoconnectot ot ftont Audio/Video connections).

No soiution:

Switch your TV off and on again with the ⏻ button.
Never attempt to repair a defective TV set yourself.
Switch off the TV and call your dealer or TV-technician when nothing helps ot when:

- A white hotizontal sttipe appears across the whole scteen.
- The red lamp below the scteen starts blinking when no buttons ate pressed on the remote control.

Environmental information

Your TV contains material which can be recycled and reused. At end of life specialized companies can dismantle the discarded TV to concentrate the teusable matetials and to minimize the ammount of matetials to be disposed off.
Please find out about local regulations on disposal of your old TV set.

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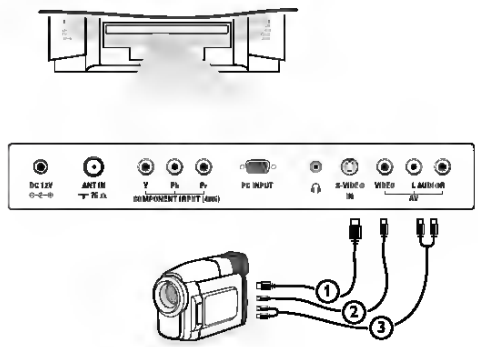
126 1018.2 am 29-04-2002 17:05 Pagina 13

Camera, camcorder, Video Game set, ...



How to connect

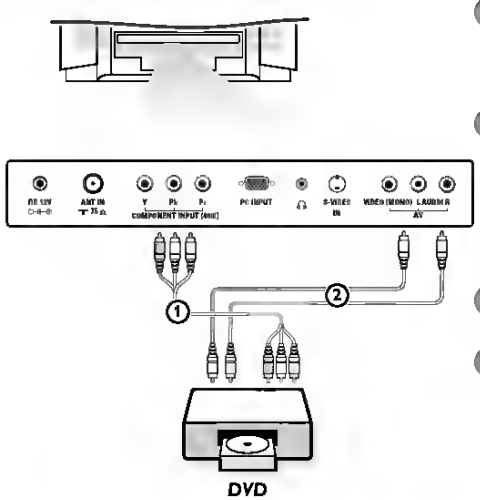
1. Connect your camera, camcorder, videogame set, ... to the **VIDEO** port ② and **AUDIO L (MONO)** ③ for mono equipment.
2. For stereo equipment also connect **AUDIO R** ③.

   S-VHS quality with an S-VHS camcorder is obtained by connecting the S-VHS cables with the **S-VIDEO** input ① and **AUDIO** input ③.

How to use

1. Select **VIDEO** or **S-VIDEO** in the Input menu item of the setup menu, see p. 6.
2. Turn on the external AV equipment.

DVD player



How to connect

1. Connect the three separate component video cables ① to the DVD player's **Y**, **Pb** and **Pr** ports and to the **Y**, **Pb** and **Pr (480i)** ports on the TV.
2. Connect the audio cables ② to the DVD player's **AUDIO L** and **R** ports and to the **L (MONO)** and **R AUDIO** AV ports on the TV.

How to use

1. Select **COMPONENT** in the Input menu item of the setup menu, see p. 6.
2. Turn on the DVD set.

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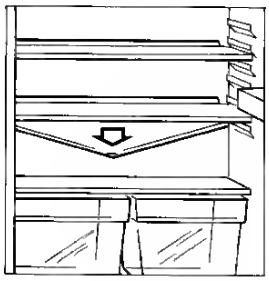
5 Check the water drain hole on the rear wall of the fridge. Clear a blocked drain hole with the aid of the drain cleaning tool included with the appliance.

6 When everything is dry place appliance back into service.



Energy Saving Tips

- Do not install the appliance near cookers, radiators or other sources of warmth. High ambient temperatures cause longer, more frequent operation of the compressor.
- Ensure sufficient air circulation and exhaust at the appliance base and at the back wall of the appliance. Never cover air vent openings.
- Do not place warm foods into the appliance. Allow warm foods to cool first.
- Only leave door open as long as necessary.
- Do not set temperature any colder than necessary.
- Put frozen food in the fridge to defrost. The cold in the frozen food will then be used to cool the fridge.

Accumulation of dust at the condenser increases energy consumption. For this reason carefully clean the condenser at the back of the appliance once a year with a soft brush or a vacuum cleaner. Ensure the appliance is switched off.

Something Not Working

If the appliance is not functioning correctly, please carry out the following checks before contacting your local AEG Service Force Centre.

Warning!

Repairs should only be carried out by qualified service engineers. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning.

Malfunction	Possible Cause	Remedy
Appliance does not work.	Appliance is not switched on	Switch on the appliance
	Mains plug is not plugged in or is loose	Insert mains plug
	Fuse has blown or is defective	Check fuse, replace if necessary
	Socket is defective	Mains malfunctions are to be corrected by an electrician.
Appliance cools too much	Temperature is set too cold	Turn the temperature regulator to a warmer setting temporarily.
The food is too warm	Temperature is not properly adjusted	Please look in the "Initial Start Up" section.
	Door was open for an extended period	Open the door only as long as necessary.
	A large quantity of warm food was placed in the appliance within the last 24 hours	Turn the temperature regulator to a colder setting temporarily.
	The appliance is near a heat source.	Please see "Installation location" section.
Interior lighting does not work.	Light bulb is defective.	Please see "Changing the Light Bulb" section.
Heavy build up of frost, possibly also on the door seal	Door seal is not air tight (possibly after changing over the hinges)	Carefully warm the leaking sections of the door seal with a hair dryer (not hotter than approx. 50 °C). At the same time shape the warmed door seal by hand such that it sits correctly.

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Table of Contents

Unit Overview 1
LED Indicators 2
Inspection 3
Maintenance 3
Remote Testing 3
Repair and Return 3
Connections 4
Powering with the NT1 ACE^4 Power Supply 6
Connecting the Terminal Equipment 7
Typical Configuration 7
Troubleshooting 8
Specifications 10
- Network Interface (U) 10
- Customer Interface (S/ T) 10
- Faceplate Indicators 10
- Network Compatibility 10
- Mechanical 11
- Power 11
- Environment 11
- Power Supply Specifications 11

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Using the radio

Choosing radio mode

1. Press the **AV** key on the remote control to display the **Source List**.
2. Use the cursor ∧/∨ key to select **FM Radio** and then press the cursor > key to switch the TV to radio mode.
   To return to TV mode, press the AV key, select TV and validate with > key.
   In radio mode the number and name of the station (if available), its frequency and the sound mode are indicated on the screen.

Selecting programmes

Use the **0/9** or **P -/+** keys to select the FM stations (from **1** to **40**).

List of radio stations

Press the ☰ key to display / hide the list of radio stations. Then use the cursor to select a station.

Using the radio menus

Use the **MENU** key to access the specific radio settings.

Searching radio stations

If you have used the quick installation all the available FM stations will be stored. To start a new search use the **Install** menu : **Auto Store** (for a complete search) or **Manual Store** (for a station by station search). These menus work in exactly the same way as the TV menus.

Screen saver

In the **Features** menu you can activate / close the screen saver. The time, the frequency of the station and its name (if available) move across the screen.

Using in PC monitor mode

NOTE

– When using the LCD TV as a PC monitor, slight diagonal interference lines may be observed when it is operated under electromagnetic interference environment but will not affect the performance of this product.
– For better performance, good quality DVI cable with good noise isolation filter is recommended.

PC Mode

Your TV can be used as a computer monitor.
You must first of all connect the computer and adjust the resolution (see p.13).

Choosing PC mode

1. Press the **AV** key on the remote control to display the **Source List**.
2. Use the cursor ∧/∨ key to select **PC** and then press the cursor > key to switch the TV to PC mode (**DVI-I In**).
   To return to TV mode, press the **AV** key, select **TV** and validate with > key.

Using the PC menus

Press the **MENU** key to access the specific settings of the PC monitor mode. Use the cursor to adjust them (the settings are automatically saved):

- **Picture:**
  - **Brightness / Contrast** : to adjust the brightness and contrast.
  - **Horizontal / Vertical**: to adjust the horizontal and vertical placing of the image.
  - **Colour Temp**: to adjust the colours (cold, normal or warm).
- **Audio Selection:** to choose the sound reproduced on the TV (PC/HD, TV or Radio).
- **Features** *(only available on certain versions)*:
  - **Phase/Clock**: eliminates the horizontal (**Phase**) and vertical (**Clock**) interfering lines.
  - **Format** : to choose between full screen or native format of the PC screens.
  - **Auto Adjust**: position is set automatically.
- **Reset To Factory Setting:** to return to the factory settings (default settings).

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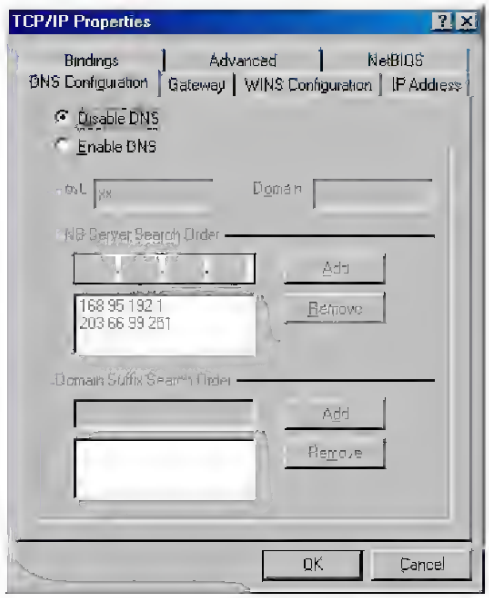
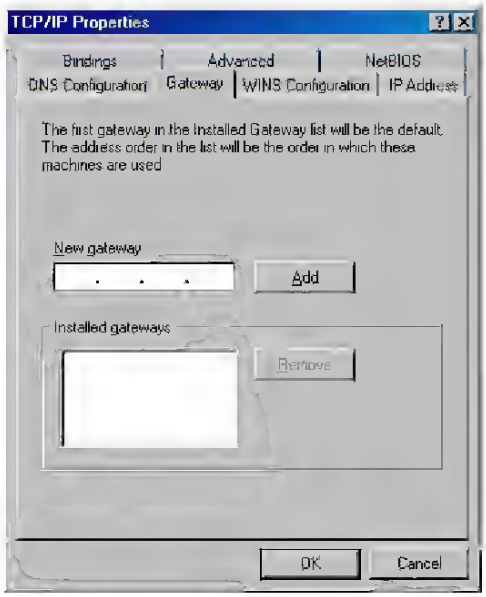
4. Select **Disable DNS** in the **DNS** tab.



5. Select **None** for the **Gateway** tab and click **OK**.



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Bottom view

No.	Label	Description
1	Soft reset switch	A soft reset allows your handheld to get a fresh start, similar to rebooting a computer. All records and entries are retained after a soft reset.
2	Proprietary 26-pin I/O connector	Connects your handheld to a portable or desktop computer and DC power supply to an AC wall outlet to charge the battery. - USB Host - USB Client - Serial - DC power in
3	Hard reset switch	Toggle to return you handheld settings to the factory defaults. See "Performing a hard reset" on page vii.

Preparing to use your Acer n30

Perform the following easy installation tasks to begin using your handheld:

- Install the Microsoft® ActiveSync® software in your computer
- Connect the cable
- Charge your handheld
- Set up your handheld
- Perform the first ActiveSync operation

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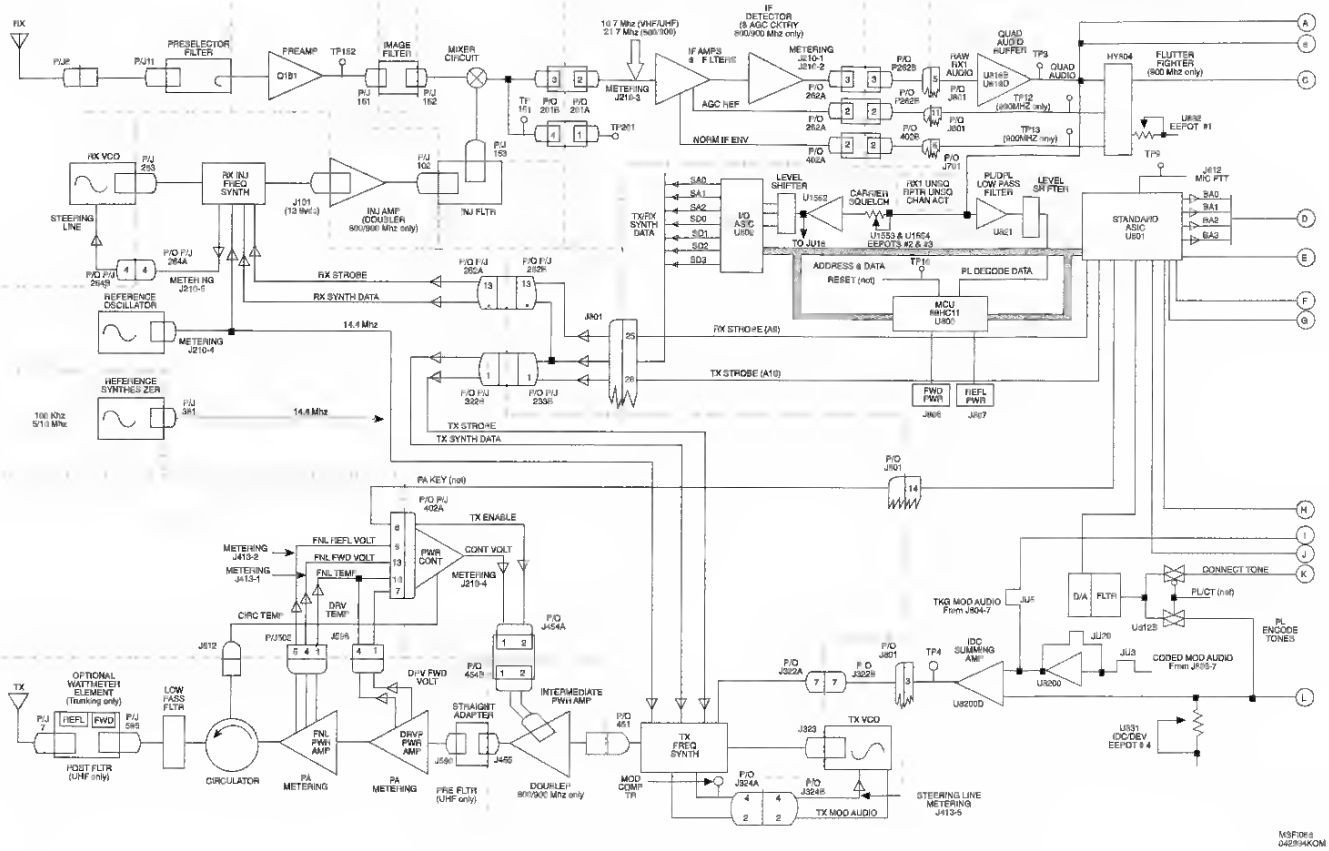

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RGB

- Press "RGB" for true-color optimization.

Brightness

- Press "Brightness" to adjust the brightness of the image.

Color

- Press "Color" to adjust the color temperature of image.

Contrast

- Press "Contrast" to control the difference between the lightest and darkest parts of the picture.

VGA

- Press "VGA" to change source to VGA-In connector. This connector supports Analog RGB.

Component

- Press "Component" to change source to component connec tor. This connector supports YPbPr (480p/576p/720p/1080i) and YCbCr (480i/576i)

Video

- Press "Video" to change source to Composite Video source.

S-Video

- Press "S-Video" to change source to S-Video source.

DVI

- Press "DVI" to change source to DVI connector. This connector supports Digital RGB, Analog RGB.

HDMI

- Press "HDMI" to change source to HDMI. This connector can support to carry all standard and high-definition consumer electronics video formats.

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The cable management system channels the server cables along the back of the server and to connection points on the rack.

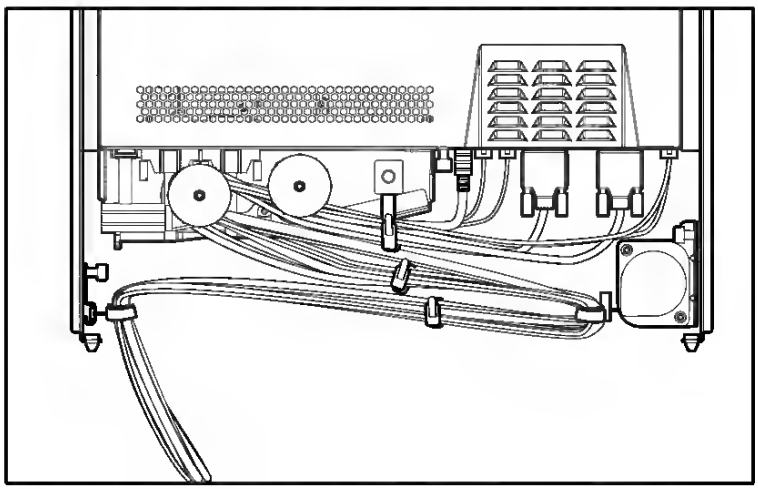

Figure 1-4. Cables routed at the rear of the server

Telco Rack Option

The Telco option contains a set of variable-depth rack brackets that support installation of the ProLiant DL360 G2 server into Telco racks of rail thickness from 3 to 5 inches (7.62 to 12.7cm). These brackets adjust to fit several types of Telco racks, and the kit contains mounting screws.

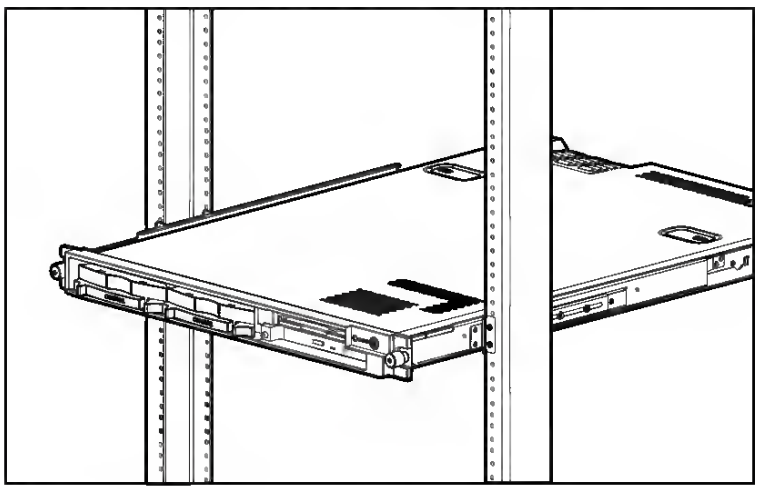

Figure 1-5. Server mounted in Telco rack

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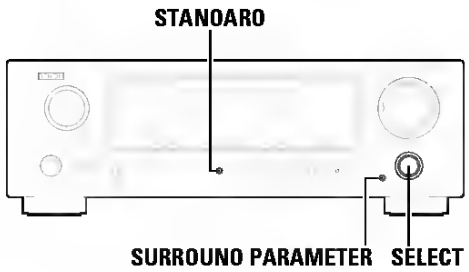
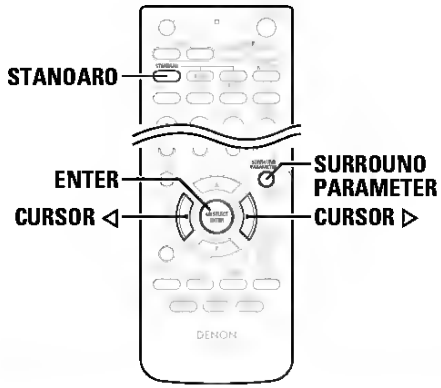




Dolby Pro Logic IIx (Pro Logic II) mode

- To play in the PLIIx mode, set "S. BackSp" at the "Speaker Configuration" setting to "1sp" or "2sp".
- To play in the PLIIx mode, set "Surround Back" at the "Power Amp Assign " setting.

1 Press the STANDARD button to select the Dolby Pro Logic IIx mode.

- The Dolby Pro Logic II indicator lights.

※ The mode switches as shown below each time the button is pressed.

DOLBY PLIIx ⟷ DTS NEO:6

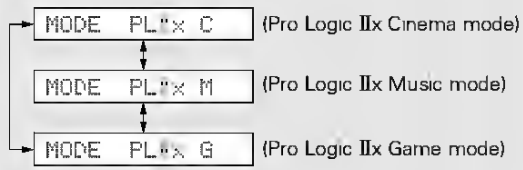
2 Play a program source.

※ For operating instructions, refer to the manuals of the respective components.

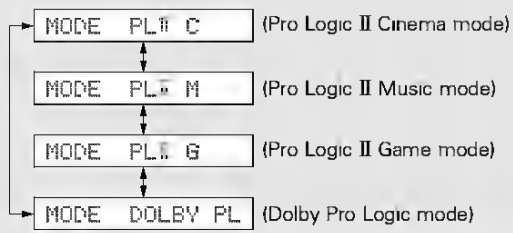
3 Press the SURROUND PARAMETER button to select the surround parameter mode.

4 Turn the SELECT knob, and press the CURSOR ◁ or ▷ button to select the optimum mode for the source.

※ When the "SURROUND BACK" parameter is set to "ON". (Set "S. Back" at system setup to "Small" or "Large".)



※ When the "SURROUND BACK" parameter is set to "OFF". (Set "S. Back" at system setup to "None".)



5 Press the SURROUND PARAMETER button to select the various parameters.

※ The mode switches as shown below each time the button is pressed.

- **When the Cinema mode:**

MODE CINEMA → CINEMA EQ → TONE DEFEAT → SURROUND BACK → DEFAULT → MODE CINEMA

- **When the Music mode:**

MODE MUSIC → TONE DEFEAT → SURROUND BACK → PANORAMA → DIMENSION → CENTER WIDTH → DEFAULT → MODE MUSIC

- **When the Game mode:**

MODE GAME → TONE DEFEAT → SURROUND BACK → DEFAULT → MODE GAME

- **When the Dolby Pro Logic mode:**

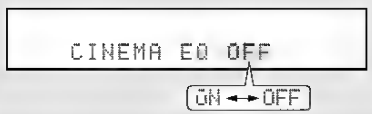
MODE DOLBY PL → CINEMA EQ → TONE DEFEAT → SURROUND BACK → DEFAULT → MODE DOLBY PL

※ If you do want the bass and treble to be adjusted, turn off the tone defeat mode.

6 Turn the SELECT knob, and press the CURSOR ◁ or ▷ button to set the various surround parameters.

※ When the surround parameters are set using the buttons on the main unit, stop operating the buttons after completing the settings. The settings are automatically finalized and the normal display reappears after several seconds.

- **Cinema EQ setting:**



Mantenimiento
Limpie la unidad sólo como se recomienda en el Manual de Instrucciones

Daños que necesitan ser reparados
Solicite que un técnico cualificado en reparaciones realice servicio en las unidades si:
- El cable de alimentación de CA o su enchufe están estropeados.
- Objetos extraños o líquido han entrado en la unidad.
- La unidad ha estado expuesta a la lluvia o al agua.
- La unidad no parece funcionar normalmente.
- La unidad muestra un cambio considerable en su funcionamiento.
- La unidad se ha caído o la caja se ha estropeado.

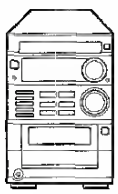
NO TRATE DE REPARAR LA UNIDAD USTED MISMO.

Bienvenido al Sistema Estéreo Aiwa

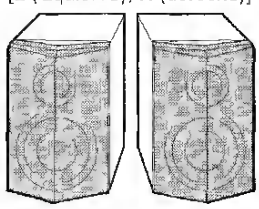
Enhorabuena por haber adquirido un sistema estéreo Aiwa. Para optimizar la función de este sistema, por favor tómese el tiempo para leer estas Manual de Instrucciones y familiarícese con los procedimientos de operación.

Verifique su sistema y accesorios

XR-M35 Radiocasete con lector estereo de discos compactos

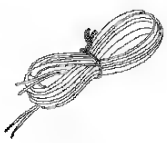


SX-M35 Altavoces [L (izquierdo), R (derecho)]

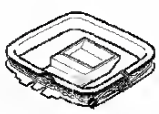


Control remoto

Antena FM



Antena AM



Manual de Instrucciones, etc.

Registro del propietario
Para su conveniencia, anote el número del modelo y de serie (los encontrará en la parte trasera del aparato) en el espacio propuesto más abajo. Por favor refiérase a ellos cuando contacte con su distribuidor Aiwa en caso de alguna dificultad.

Nº. Modelo	Nº. Serie (Nº. Lote)
XR-M35U	
SX-M35	

ÍNDICE

PREPARACIONES
PRECAUCIONES 1
CONEXIONES 3
ANTES DE LA OPERACION 5
AJUSTE DEL RELOJ 5

SONIDO
AJUSTE DEL SONIDO 6

RECEPCIÓN DE LA RADIO
SINTONIZACIÓN MANUAL 7
PREAJUSTE DE EMISORAS 8

REPRODUCCIÓN DE DISCOS COMPACTOS
OPERACIÓN 9

REPRODUCCIÓN DE CINTAS
OPERACIÓN 11

GRABACIÓN
GRABACIÓN BÁSICA 13
GRABACIÓN CON EDICIÓN AI 14
GRABACIÓN CON EDICIÓN PROGRAMADA 15

TEMPORIZADOR
AJUSTE DEL TEMPORIZADOR 16
AJUSTE DEL TEMPORIZADOR DE APAGADO 17

OTRAS CONEXIONES
CONEXIÓN DE UN EQUIPO OPCIONAL 17
AUDICIÓN DE FUENTES DE SONIDO EXTERNAS 18

GENERALIDADES
CUIDADO Y MANTENIMIENTO 18
ESPECIFICACIONES 19
GUÍA PARA LA SOLUCIÓN DE PROBLEMAS 20
ÍNDICE DE LOS COMPONENTES 20

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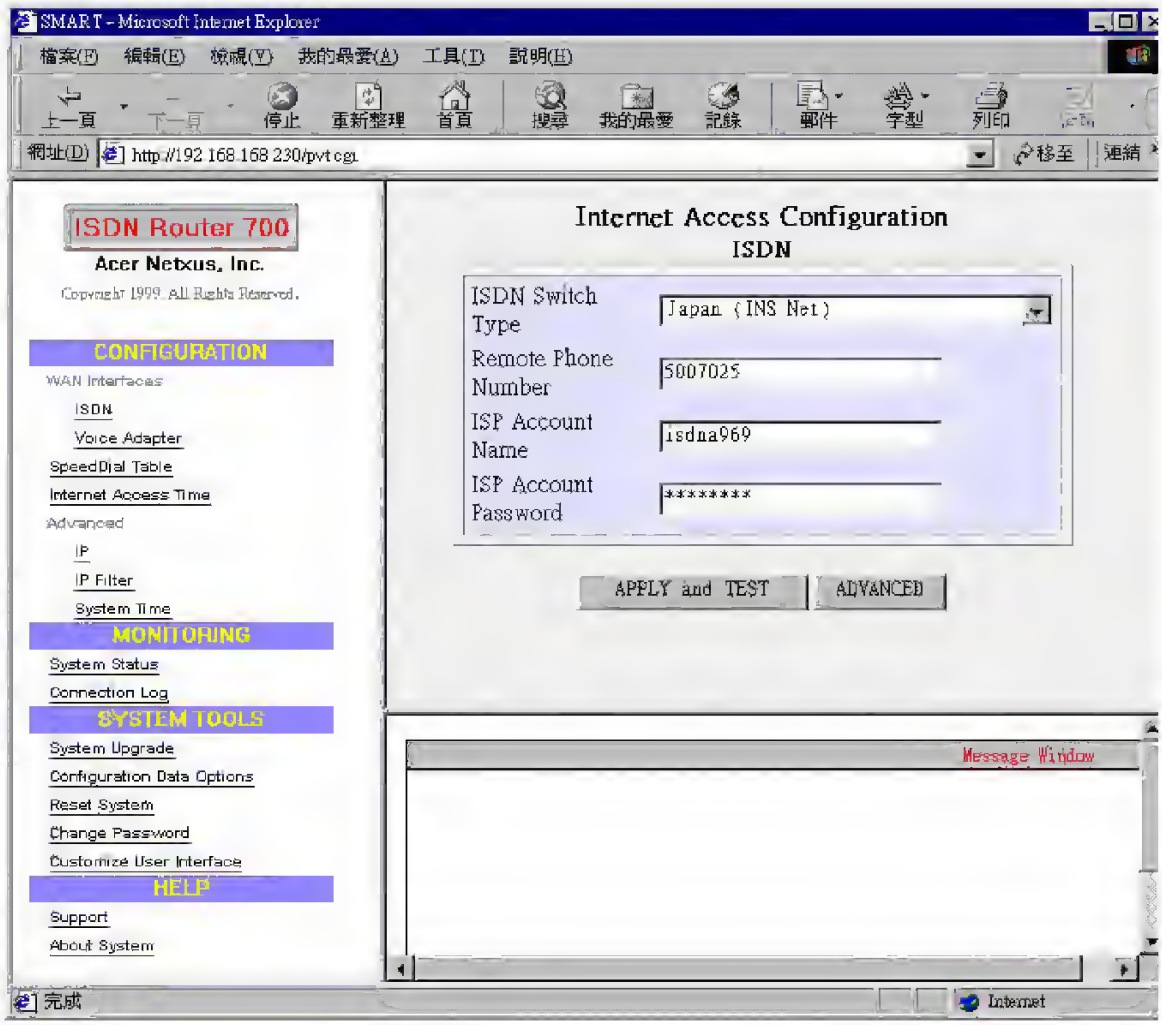
Click **Next** when you have selected the options you want.

Overview of The SMART Browser Screen

Before you begin the configuration, take a moment to look at the SMART screen. Look for these areas:

- System Information
- SMART Menu
- Configuration Window
- Message Window
- Status Window

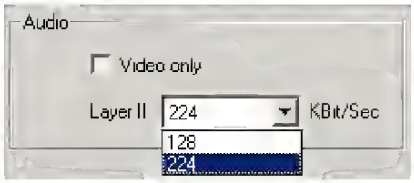


The MPEG-2 menu includes 7 profiles to choose from. Industry standard MPEG 2 DVD and SVCD profiles are included. Variable bit rate override can be manually selected.

The Following list explains each profile:

HP@H14	80Mbps, 1440*1152 (High Profile at High-1440)
HP@ML	20Mbps, 720*576
MP@HL	80Mbps, 1920*1152 (Main Profile at Main Level)
MP@H14	60Mbps, 1440*1152
MP@ML (DVD)	Encode MPEG files suitable for creating DVD. Default 6Mbps
MP@LL	4Mbps (Main Profile at Low Level)
MF@ML (SVCD)	Encode MPEG files suitable for creating SVCD. 2.5Mbps

MPEG 1 & 2 profiles create audio files that are MPEG 1, Layer 2 in specification with bit rate choices of 128 Kbit/sec and 224 Kbit/sec.



Video only: When selected, the encoder will only encode the video and not the audio.

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Problem	Possible cause	Remedy
The drying cycle exceptionally takes a long time	Vented air transport disrupted	Straighten N- air venting hose and/or clean air venting ducts
	Lint filter blocked	Clean lint filter
The loading door cannot be closed	Lint filter not installed and/or filter lid not locked in position	Install lint filter and/or lock filter lid in position
The drier ends the drying cycle automatically: "EINDE/FIN" indicator is illuminated shortly after programme start	Too little or too dry laundry loaded for selected programme	Select time programme or higher drying level (for instance EXT-RADROOG/TRES SEC instead of KASTDROOG/A RANGER)
The drying cycle exceptionally takes a long time. 4,5 hours after starting the drying cycle: "EINDE/FIN" indicator is illuminated - drying cycle is aborted - programme run indicator flashes	"LAGE TEMP/DELICAT"- button depressed and filling quantity too large	Check programme selection: only use "LAGE TEMP/DELICAT" -button for laundry quantities up to 3 kg. Clean lint filter.
	Filling quantity too large	Reduce filling quantity
	Laundry too wet	Pre-dry laundry more thorougly

If these operating instructions do not offer sufficient advice to eliminate a specific fault, please contact our customer service.

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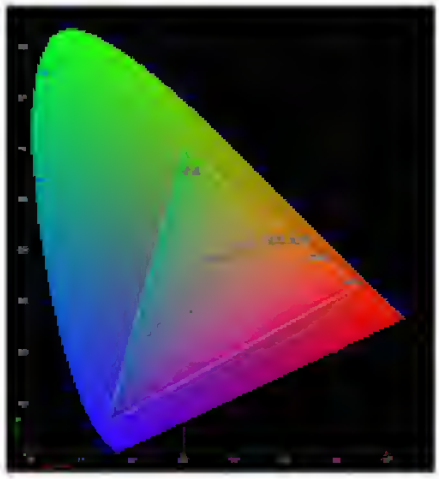
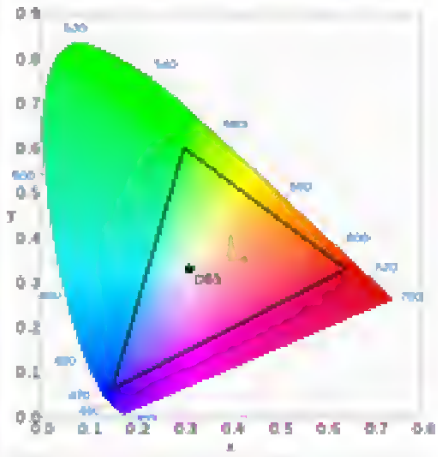
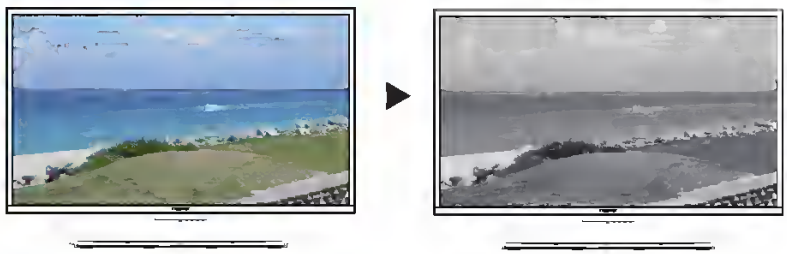




- CIE 1931 positive and negative error of 0.05, ("HDR" according to current Panel to fine-tune).
- Color Space = HDR, the Modes = HDR, Picture page HDR = Auto.
- The signal content is SDR, the brightness can to adjustment, but content is HDR the brightness is fixed at 100 and gray out unavailable.
- Modes = (Action/Racing/Sports/User/Standard/ECO/Graphic) is selected; the color space is auto set to "General".
- Color space = (sRGB, Rec.709, HDR, EBU, DCI, SMPTE-C), If to adjust the parameter the Modes will not jump to User mode, but the Color Space = "General" is except.
- Color Space = (sRGB/Rec.709/HDR/EBU/DCI/SMPTE-C), 6-Axis Hue & Saturate is gray out and unavailable.
- Color Space = (sRGB/Rec.709/HDR/EBU/DCI/SMPTE-C), Grayscale Mode is gray out and unavailable.

5. **Grayscale Mode**: Select grayscale mode "On" or "Off".
   - **On:** Color only black and white effect.
   - **Off:** Normal color effect.



6. **6-axis Hue:** Adjust the Red Hue, Green Hue, Blue Hue, Yellow Hue, Magenta Hue , Cyan Hue or Reset.

PAUSE Button
While recording, press to pause the recording. Press again to resume recording. *Details are on page 31.* You can not pause a One-Touch Recording. During tape playback, press to freeze the picture. Press again to resume playback. *Details are on page 47.*

Remote Sensor
Receives a signal from your remote control so you can operate your VCR from a distance.

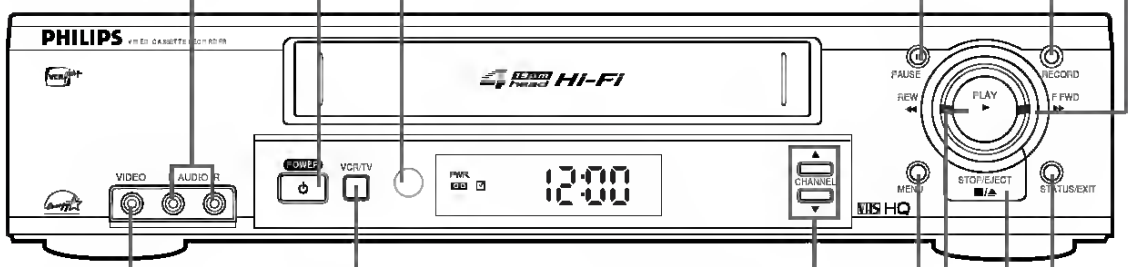
POWER Button
Press to turn the VCR power on and off.

AUDIO In Jacks
Connect audio cables coming from the audio out jacks of a camcorder, another VCR, or an audio source here. *Details are on page 43.*

F.FWD (Fast Forward) Dial
When playback is stopped, turn the dial right to fast forward the tape at high speed. During tape playback, turn the dial right to fast forward the tape while the picture stays on the screen. Turning the dial right repeatedly switches the search between regular and high speed searching for some recordings. *Details are on page 46.* Turn the dial right to select an item in the VCR menu or to change the setting of a menu item.

REW (ind) Dial
When playback is stopped, turn the dial left to rewind the tape at high speed. During playback, turn the dial left to rewind the tape while the picture stays on the screen. Turning the dial left repeatedly switches the search between regular and high speed searching for some recordings. *Details are on page 46.* Turn the dial left to return to a previous VCR menu.

RECORD Button
Press once to start a recording. Press repeatedly to start a One-Touch Recording. *Details are on page 32.*



VIDEO In Jack
Connect a video cable coming from the video out jack of a camcorder, another VCR, or an audio-visual source (laser disc player, digital video disc player, etc.) here. *Details are on page 43.*

VCR/TV Button
Press to select VCR or TV position.

- **VCR Position**
  Use to watch a tape, to watch a program while recording it, or to watch a TV program (changing channels at the VCR). When the VCR light appears on the display panel, the VCR is in VCR position.
- **TV Position**
  Use to watch TV (changing channels at the TV) or to watch one program while recording another. When the VCR light does not appear on the display panel, the VCR is in TV position.

CHANNEL (▼/▲) Buttons
Press to change channels at the VCR. Or, press to adjust the tracking of a tape during normal playback or slow motion playback. Also, press to remove vertical jitter in a Still picture.

MENU Button
Press to access the VCR menu.

PLAY Button
Press to play a tape. Press to release Slow, Search, or Still mode and return to playback. *Details are on pages 46-47.* Press to select an item in the VCR menu.

STOP/EJECT Button
Press once to stop the tape. When playback is stopped, press to eject the tape. Press to select an item in the VCR menu.

STATUS/EXIT Button
Press to access or remove the on-screen status display. *Details are on page 26.* Press to remove the VCR menu.

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Important instructions on ovenware for microwave use

- **All ovenware** must be free from metal coatings, such as gold rims, silver decorations, or chrome-plated metal rings.
- Only use plastics, unless they are specially intended for microwave cooking, for brief defrosting or heating. They may cause fire on a long setting!
- Only use paper and board for brief heating or cooking. They may also cause fire on a long setting!
- Aluminium foil may be used to cover sensitive, projecting parts, e.g. the edges or drumsticks of poultry. **Caution: Make sure that there is a minimum distance of 2 cm to the door or side wall.**

The correct ovenware for microwave solo microwave combination modes

Ovenware	Defrosting	Operating modes		
		Microwave solo		Combination modes
		Heating	Cooking	
Glass, heatproof	x	x	x	x
Glass-ceramic	x	x	x	x
Porcelain, heatproof	x	x	x	x
Earthenware	x	x	x	x
Plastics	○	○	–	–
Heat-resistant plastics specially intended for microwave use	x	x	x	○
Keep-fresh foil	–	–	–	–
Paper, board	○	○	–	–
Grid	x	x	x	x
Drip-pan	–	–	–	x
Baking sheet	–	–	–	x
Aluminium foil	○	○	○	○
Aluminium containers for menu cooking	○	○	○	○
Metal bakeware	–	–	–	–

x = suitable
– = unsuitable
○ = suitable in certain circumstances (see instructions)

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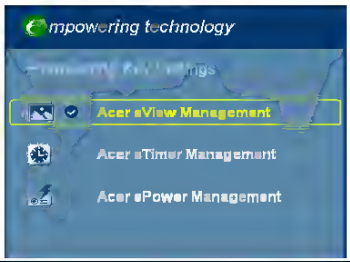
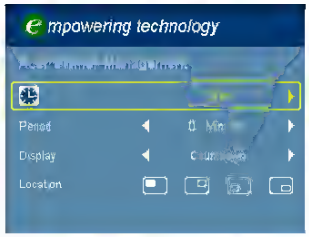
English

Acer Empowering Technology

Empowering Key 	Acer Empowering Key provides four Acer unique functions, they are "Acer eView Management", "Acer eTimer Management" and "Acer ePower Management" respectively. Press " " key for more than one second to launch the Onscreen display main menu to modify its function.
Acer eView Management 	Press " " to launch "Acer eView Management" submenu. "Acer eView Management" is for display mode selection. Please refer to Onscreen Display Menus section for more detail. The "3D", "3D Sync Invert" and "2D to 3D Mode" functions offer quick access of 3D functions here.
Acer eTimer Management 	Press " " to launch "Acer eTimer Management" submenu. "Acer eTimer Management" provides the reminding function for presentation time control. Please refer to Onscreen Display Menus section for more detail.
Acer ePower Management 	Press " " to launch "Acer ePower Management". "Acer ePower Management" provides user one shortcut to save lamp and projector life. Please refer to Onscreen Display section for more detail.

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GRABACION BASICA

Preparación
- Bobine la cinta hasta el punto donde vaya a empezar la grabación.
- Sólo es posible grabar cintas normales (tipo I).

1 **Inserte la cinta que vaya a grabar en la platina.**
Inserte la cinta con el lado que se va a grabar hacia afuera de la unidad y el lado expuesto hacia abajo.

2 **Pulse el botón TAPE/REV MODE para seleccionar el modo de inversión.**
Para grabar una cara solamente, encienda ⇄.
Para grabar en ambas caras, encienda ⇉ o ⇄.

3 **Pulse uno de los botones de función y prepare la fuente de sonido de grabación.**
Para grabar de un disco compacto, pulse el botón CD e introduzca el disco compacto.
Para **grabar una radiodifusión,** pulse el botón TUNER y sintonice la emisora.
Para grabar de una fuente de sonido conectada, pulse el botón AUX/VIDEO y active la reproducción.

4 **Pulse el botón ● REC para iniciar la grabación.**
Cuando la función seleccionada sea CD, la reproducción y la grabación empezarán simultáneamente.
Si utiliza el control remoto, pulse el botón ● REC en primer lugar y, a continuación, pulse el botón ◀▶ en un intervalo de 2 segundos.
REC se visualizarán durante la grabación.

Para detener la grabación, pulse el botón ■.
Para hacer una pausa en la grabación, pulse el botón **II**. (Puede aplicarse cuando la fuente de sonido sea TUNER o AUX/VIDEO.) Para reanudar la grabación, pulse de nuevo el botón.
Para reducir el ruido de interferencias de una emisión MW/LW (para el modelo K)
Pulse el botón BAND mientras pulsa el botón SHIFT en el mando a distancia para reducir el ruido de interferencias durante la grabación de una emisión MW/LW. Cada vez que pulse los botones, la luz de puntos ① se enciende y apaga en el visor. → A

NOTE
No es posible grabar cuando el botón TAPE activado.

ENREGISTREMENT DE BASE

Préparation
- Bobiner la cassette jusqu'à l'endroit où on veut démarrer l'enregistrement.
- Vous ne pouvez enregistrer que sur des cassettes normales (type I).

1 **Insérer la cassette à enregistrer dans la platine.**
Introduire la cassette avec la côté à enregistrer en premier face à l'extérieur et la partie exposée de la bande vers le bas.

2 **Appuyer sur la touche TAPE/REV MODE pour sélectionner le mode d'inversion.**
Pour enregistrer sur une face seulement, allumer ⇄.
Pour enregistrer sur les deux faces, allumer ⇉ ou ⇄.

3 **Appuyer sur une des touches de fonction et préparer la source à enregistrer.**
Pour enregistrer à partir d'un disque compact, appuyer sur la touche CD et mettre le disque en place.
Pour enregistrer une émission de radio, appuyer sur la touche TUNER et accorder sur une station.
Pour enregistrer à partir de la source connectée, appuyer sur la touche AUX/VIDEO et mettre la source en marche.

4 **Appuyer sur la touche ● REC pour démarrer l'enregistrement.**
Quand la fonction sélectionnée est CD, la lecture et l'enregistrement démarrent simultanément.
Avec la télécommande, appuyez d'abord sur la touche ● REC, puis sur ◀▶ dans les deux secondes qui suivent.
REC sont affiches pendant la enregistrement.

Pour arrêtar l'anregistremant, appuyer sur la touche ■.
Pour mettre l'enregistrement en pause, appuyer sur la touche **II**. (Applicable quand la source est TUNER ou AUX/VIDEO.) Pour reprendre l'enregistrement, appuyer de nouveau sur cette touche.
Pour réduire les interférences en PO/GO (modèle K)
Appuyez sur BAND tout en appuyant sur la touche SHIFT de la télécommande afin de réduire les interférences lors d'un enregistrement en PO/GO. Chaque fois que vous appuyez sur la touche, le témoin ① s'allume et s'éteint dans l'afficheur. → A

REMARQUE
L'enregistrement est impossible si vous avez sélectionné la touche TAPE.

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Tuner

Severe hum or noise/stations cannot be received.

- Set the proper band and frequency (page 13).
- Connect the antenna properly (page 8).
- Find a place and an orientation that provide good reception, then set up the antenna again. If you cannot obtain good reception, we recommend you connect a commercially available external antenna.
- The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
- Keep the antennas away from the system and other components.
- Consult your nearest Aiwa dealer if the supplied AM antenna has come off the plastic stand.
- Try turning off surrounding electrical equipment.
- Set "CD POWER OFF" by CD power manage function (page 14).

A stereo FM program cannot be received in stereo.

- Press FM MODE until "MONO" disappears in the display.

Noise is heard while loading/removing a disc.

- Change the location of the AM antenna.

Personal computer (except for AWP-ZP1)

There is no sound.

- Connect the personal computer properly.
- Press PC (or FUNCTION repeatedly) to select "PC" (page 26).
- Select the standard audio device in the "Multimedia" or "Sounds and Multimedia" (for Windows 2000/Me/98 Second Edition) or "Sounds, Speech, and Audio Devices" (for Windows XP) on the Control Panel of the computer.

Optional components

There is no sound.

- Refer to General item "There is no sound." (page 30) and check the condition of the system.
- Connect the component properly (page 28) while checking:
  - if the cords are connected properly.
  - if the cord plugs are firmly inserted all the way.
- Turn on the connected component.
- Refer to the operating instructions supplied with the connected component and start playing.
- Press FUNCTION repeatedly (or MD* on the unit) to select "MD" (page 29).
  * AWP-ZP1 only

The sound is distorted.

- Set the volume of the connected component lower.

If the system still does not operate properly after performing the above measures, reset the system as follows:

1 Disconnect the power cord.

2 Reconnect the power cord.

3 Press I/⏻ to turn on the system.

4 Hold down I/⏻ and then press I-Bass on the unit for 2 seconds.

The system is reset to the factory settings. You should set the settings you made, such as the preset stations, clock, and timer.

Aspect Ratio	The ratio between the width and height of the TV picture on the screen. In a normal TV set the aspect ratio is 4 to 3 (4:3). The new aspect ratio in HDTV is 16:9 which resembles the aspect ratio in a movie theatre (Widescreen). New TV systems support both 4:3 and 16:9 aspect ratio and can automatically switch between them.
Audio Video (A/V)	A term often used when discussing a channel on a TV receiver or on video equipment, which has been especially designed to accept VCR audio-video signals. This channel automatically activates special circuitry within the TV set to prevent picture distortion and skewing. It is also used for audio-video processors, which handle both types of signals.
CVBS	Composite Video Baseband Signal. In broadcast television this refers to the video signal, including the colour information and syncs.
Component Video Input (Y Pb Pr)	Component Video Input is a type of connection that uses a cinch-type connector to allow set top boxes or analog DVD players to connect a signal to the TV. By offering the cinch-type input (YPbPr) the primary colors, red, green and blue are connected from a set top box directly into the TV allowing for the signal to display on the screen.
DTV	Digital television. Generic term that refers to all digital television formats, including high-definition television (HDTV) and standard-definition television (SDTV).
HDTV	The generally agreed upon definition of HDTV is approximately twice the vertical and horizontal picture resolution of today's NTSC TV, which essentially makes the picture twice as sharp. HDTV also has a screen ratio of 16:9 as compared with most of today's TV screens, which have a screen ratio of 4:3. HDTV offers reduced motion artifacts (i.e. ghosting, dot crawl), and offers 5.1 independent channels of CD-quality stereo surround sound, (also referred to as AC-3).
NTSC	National television system committee. The organization that developed the analog television standard currently in use in the U.S., Canada, and Japan. Now generally used to refer to that standard. The NTSC standard combines blue, red, and green signals modulated as an AM signal with an FM signal for audio.
Progressive Scan	In Progressive Scanning all the horizontal scan lines are scanned on to the screen at one time. The Digital TV and HDTV Standards accept both Interlaced Scan and Progressive Scan broadcast and display methods.
Resolution	Resolution: A measurement of the finest (smallest) detail that is visible in a video image. TV Resolutions may be expressed as number of pixels in an image; or more commonly, As Total Number of (horizontally scanned) Lines used to create the image. Standard Digital TV Resolutions: SDTV: 480i - The picture is 704x480 pixels, 480p - The picture is 704x480 pixels. HDTV: 720p - The picture is 1280x720 pixels, 1080i - The picture is 1920x1080 pixels.

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4. Loosen the top thumbscrew.
5. Slide the Top Access Panel toward the rear of the unit about 0.5 inch (1.5 cm), and then slide the panel to the side of the server. See Figure 3-2.
6. Lift and remove the panel.

CAUTION: Do not operate the server with the Top Access Panel removed. The Top Access Panel is an integral part of the cooling system and removing it while the system is running may adversely affect data integrity.

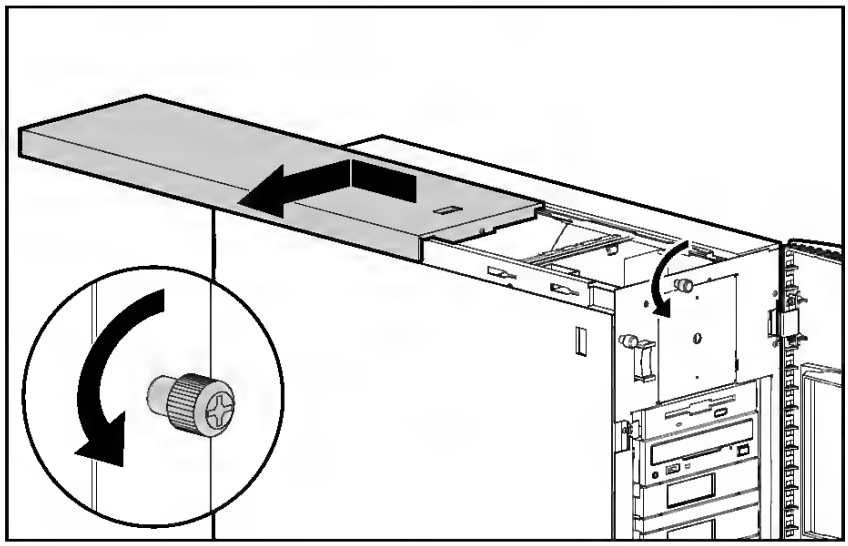

Figure 3-2. Sliding the Top Access Panel

7. Turn the Top Access Panel over to locate the System Board Hood Label and the Expansion Board Hood Label.

   NOTE: These hood labels provide instructions on installing expansion boards and setting system board switches.

8. Set the panel to the side, and locate the system board and expansion slots inside the chassis.

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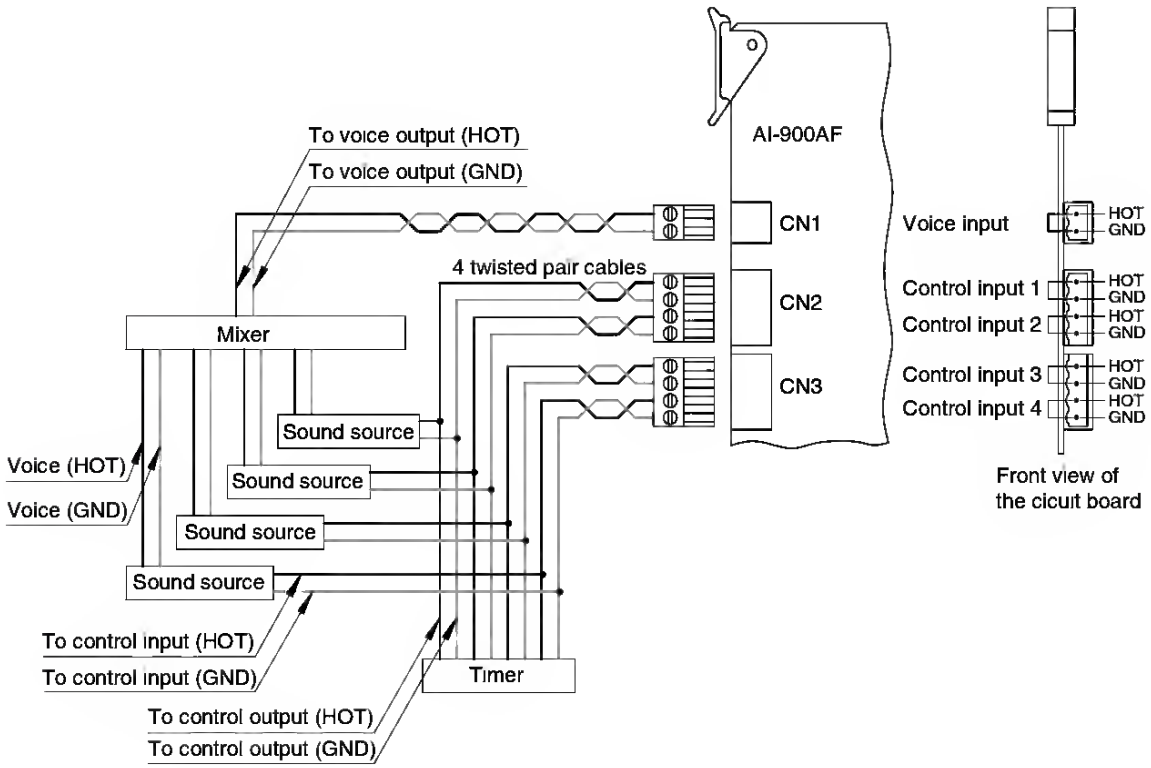
12.8.2. External sound source and AI-900AF connection

The External Sound Source Distribution function can be operated using the AI-900AF.

[Connection]
To connect external sound sources to the AI-900AF, use a twisted pair cable for voice input, and a twisted pair cable for control input (level-operated activation). The voice input is 0 dB* and of unbalanced type. The start input is a no-voltage make contact of 20 mA, 24 V DC max. Connect as shown below.
*0 dB = 1 V

External sound sources and AI-900AF connection



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LIMITED WARRANTY

COLOR TELEVISION - 90 Days Free Labor, One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube) Must be carried in for service.

WHO IS COVERED?
You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?
Warranty coverage begins the day you buy your product. For 90 days thereafter, all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?
Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?
Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...
Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...
Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...
Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

WARRANTY COVERAGE IN CANADA...
Note: Product Warranty coverage may vary between countries where product is distributed by Philips Consumer Electronics Company. In order to receive full and specific warranty details for products sold and serviced in Canada, please contact Philips at:

1-800-661-6162 (French Speaking)

1-800-531-0039 (English and Spanish Speaking)

REMEMBER...
Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 520890
Miami, FL 33152
(402) 536-4171

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八、Insert the battery and cover the battery cover。

The process of assemble is over.

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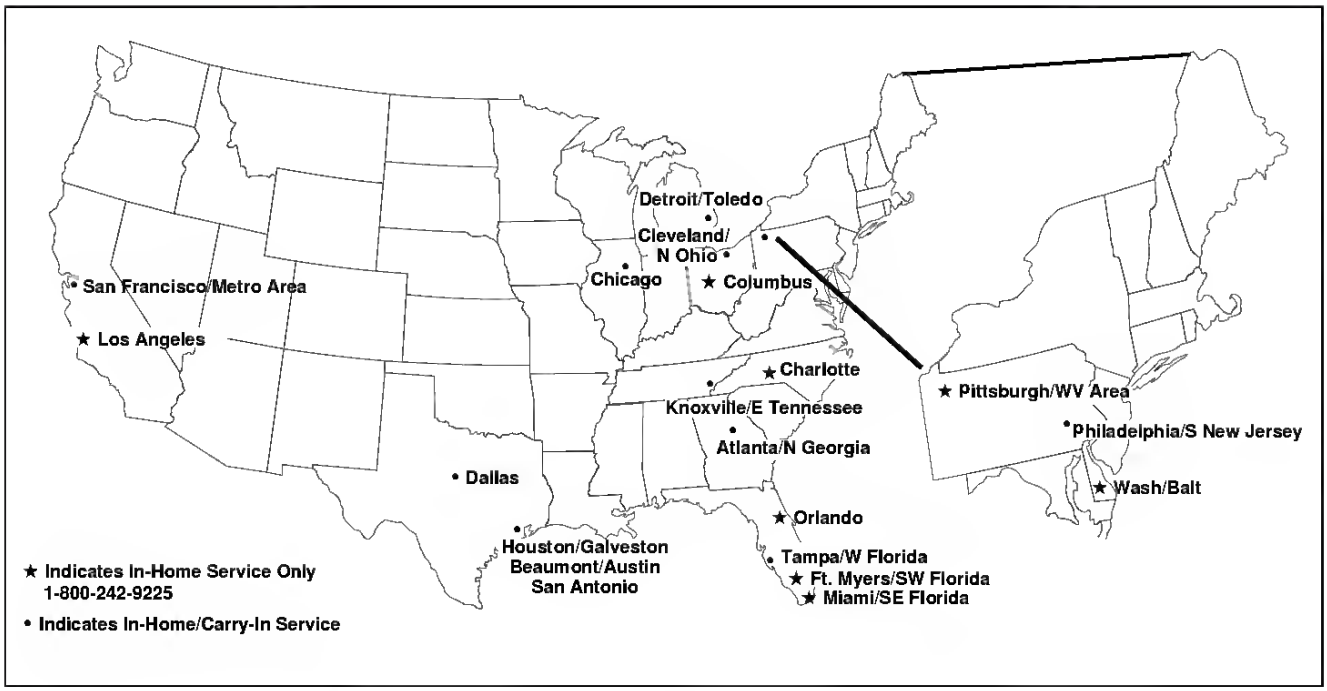
Philips Consumer Electronics Company
Factory Service Center Locations



NOTE: If you reside in one of our Philips Factory Service Branch areas (see directory on back), you can contact the nearest Service Branch to obtain efficient and expedient repair for your product. If your product is In-Warranty, you should have proof-of-purchase to ensure No Charge Service. For Out-of-Warranty service, call the location nearest you.

NOTA: Si vous résidez dans une des régions desservies par une succursale de service après vente du fabricant Philips (voir liste ci-dessous), vous pourrez contacter la branche de service après vente la plus près de chez vous pour obtenir un service après vente rapide et efficace. Si le produit est sous garantie, il suffira de présenter une preuve d'achat pour bénéficier d'un service sans frais. Pour les produits non couverts par la garantie, contactez le centre le plus près de chez vous.

NOTA: Si Ud. reside en una de nuestras zonas para sucursales Philips de servicio al de fábrica (ver directorio más abajo), Ud. puede comunicarse con la sucursal de servicio más cercana para obtener una reparación oportuna y eficaz de su producto. Si su producto está todavía bajo garantía, Ud. debe presentar comprobante de compra para no ocasionar ningunos cargos por servicio. Para servicio después del vencimiento de la garantía, llame al lugar más cercano de los abajo indicados.

In Canada

How you can obtain efficient and expedient carry-in, mail-in, or in-home service for your product
Please contact Philips at 1-800-661-6162 (French speaking)
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Power On/Standby Switch

To remove the Power On/Standby switch:

1. Perform the preparation procedures. See "Preparation Procedures" earlier in this chapter.
2. Remove the top access panel. See "Top Access Panel" earlier in this chapter.
3. Disconnect the Power On/Standby switch connector from the I/O board location shown in Figure 2-16.
4. Remove the power LED from the plastic LED holder on the chassis.

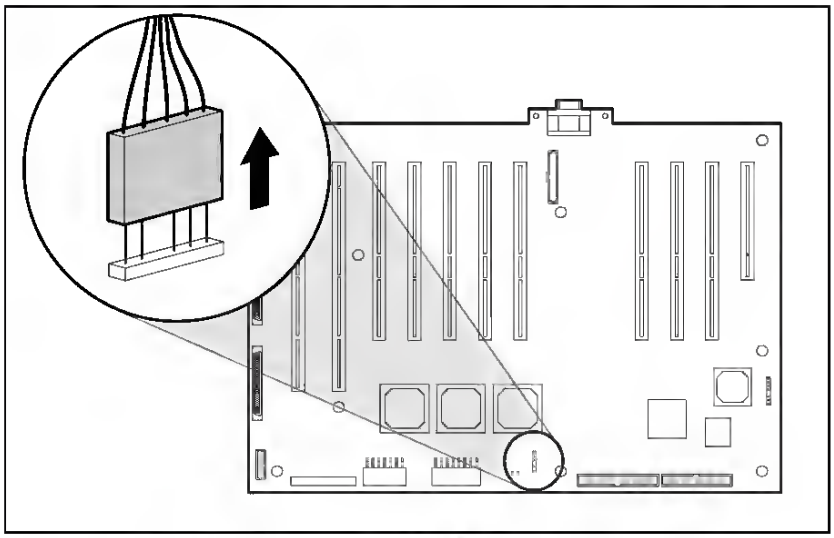

Figure 2-16. Disconnecting the Power On/Standby switch connector from the I/O board

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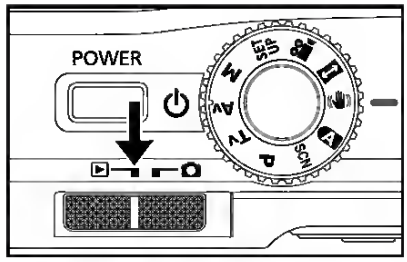
Deleting in Playback Mode

Deleting a single image/Deleting all images

1. Slide the mode switch to [▶].
   - The last image will be displayed on the screen.
2. Select the image you want to erase with the ◀ / ▶ buttons.
3. Press the 🗑 button.
   - The deletion menu will be displayed.
4. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
   - Single: Erases the selected image or the last image.
   - All: Erases all of the images except for the protected images.
   - Select: Erases a number of selected images.
5. Select [Execute] with the ▲ / ▼ buttons, and press the **SET** button.
   - To not erase, select [Cancel], and press the **SET** button.



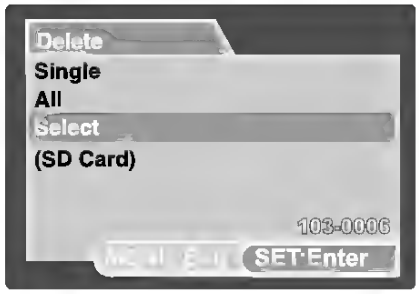
NOTE

- Deleting an image will not affect sequential image numbering. For example, if you delete image number 240, the next captured image will be numbered 241 even though 240 no longer exists. In other words, an image-number is retired when an image is deleted and will not be reused or reassigned to another subsequently captured image.

Deleting selected images

This deletes a number of selected images.

1. Slide the mode switch to [▶].
2. Press the 🗑 button.
   - The deletion menu will be displayed.
3. Select [Select] with the ▲ / ▼ buttons, and press the **SET** button.
   - The images are displayed in the thumbnail display.
4. Select the image you want to erase with the ▲ / ▼ / ◀ / ▶ buttons, and press the 🗑 button.
   - The [🗑] icon will be displayed. One more press of the 🗑 button will cancel the operation. Repeat this procedure and select all the images that you want to erase.
5. Press the **SET** button.



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The following guidelines **MUST** be followed when installing or replacing memory:

Use 100 MHz, 32-, 64-,128-, or 256-MB; registered SDRAM DIMMs.

> **CAUTION:** Use only Compaq SDRAM DIMMs. SDRAM DIMMs from other sources may adversely affect data integrity. Power-On Self-Test (POST) will warn of non-supported SDRAM DIMMs.

To remove a SDRAM DIMM:

1. Perform the preparation procedures. See page 2-2.
2. Remove the processor cage and place it on a non-conductive work surface. See page 2-22. Open the cage door.
3. Locate the appropriate memory socket on the processor board.
4. Push the levers on each end of the memory module 1.
5. Pull the module from the board 2.

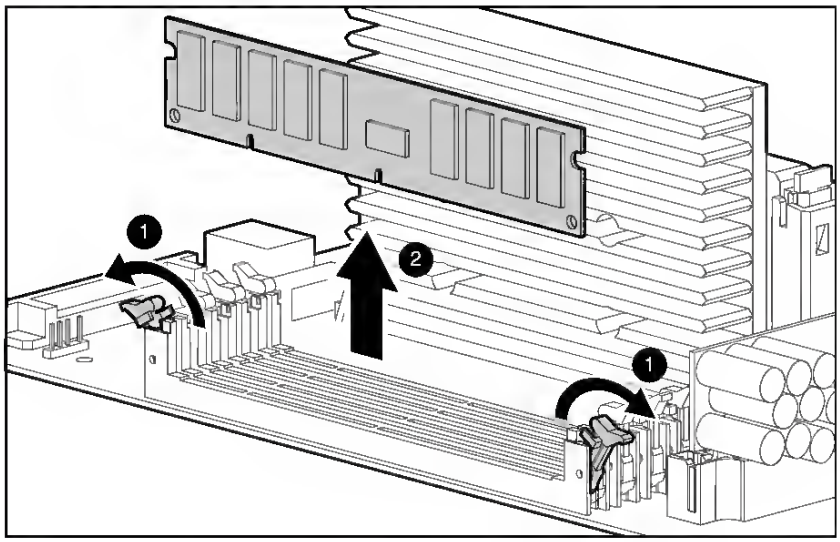

Figure 2-24. Removing a SDRAM DIMM from the processor board

Reverse steps 1 through 5 to replace the SDRAM DIMM. This memory module can be installed in one way only. Match the notch on the module with the tab on the memory socket. Push the module down into the socket, making sure that the module is inserted fully and seated properly.

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7 Regulatory Information

Declaration of Conformity

Application of Council Directives:	73/23/EEC (including amendments)	
	89/336/EEC (including amendments)	
	1999/5/EC Annex-II of the Directive	
Standards to which Conformity is Declared:	EN55022 1998 + A1 2000 + A2 2003	
	EN55024 1998 + A1 2001 + A2 2003	
	EN61000-3-2 2000 + A2 2005	
	EN61000-3-3 1995 + A1 2001	
	EN60950-1 2001	
Manufacturer's Name:	AudioCodes Ltd	
Manufacturer's Address:	1 Hayarden Street, Airport City, Lod 70151, Israel	
Type of Equipment:	Analog VoIP System	
Model Numbers:	**MP-11x/FXS+FXO Mixed Series:**	MP-114/ 2FXS/2FXO, MP-118/ 4FXS/4FXO
	MP-11x/FXO Series:	MP-112/ 2FXO, MP-114/ 4FXO, MP-118/ 8FXO

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directives and Standards

	27th June, 2006	Airport City, Lod, Israel
Signature	*Date (Day/Month/Year)*	*Location*

I. Zusmanovich, Compliance Engineering Manager

Czech	[AudioCodes Ltd] tímto prohlašuje, že tento [MP-11x/FXO] je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES
Danish	Undertegnede [AudioCodes Ltd] erklærer herved, at følgende udstyr [MP-11x/FXO] overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF
Dutch	Hierbij verklaart [AudioCodes Ltd] dat het toestel [MP-11x/FXO] in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG
English	Hereby, [AudioCodes Ltd], declares that this this [MP-11x/FXO] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC
Estonian	Käesolevaga kinnitab [AudioCodes Ltd] seadme [MP-11x/FXO] vastavust direktiivi 1999/5/EÜ pohinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele
Finnish	[AudioCodes Ltd] vakuuttaa täten että [MP-11x/FXO] tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen
French	Par la présente [AudioCodes Ltd] déclare que l'appareil [MP-11x/FXO] est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE
German	Hiermit erklärt [AudioCodes Ltd], dass sich dieser/diese/dieses [MP-11x/FXO] in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet" (BMWi)
Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ [AudioCodes Ltd] ΔΗΛΩΝΕΙ ΟΤΙ [MP-11x/FXO] ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ
Hungarian	Alulírott [AudioCodes Ltd] nyilatkozom, hogy a [MP-11x/FXO] megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak
Icelandic	ækt þetta er í samræmi við tilskipun Evrópusambandsins 1999/5
Italian	Con la presente [AudioCodes Ltd] dichiara che questo [MP-11x/FXO] è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE
Latvian	Ar šo [AudioCodes Ltd] deklarē, ka [MP-11x/FXO] atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem
Lithuanian	[AudioCodes Ltd] deklaruoja, kad irenginys [MP-11x/FXO] tenkina 1999/5/EB Direktyvos esminius reikalavimus ir kitas sios direktyvos nuostatas
Maltese	Hawnhekk, [AudioCodes Ltd], jiddikjara li dan [MP-11x/FXO] jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 1999/5/EC
Norwegian	Dette produktet er i samhørighet med det Europeiske Direktiv 1999/5
Polish	[AudioCodes Ltd], deklarujemy z pełną odpowiedzialnością, że wyrób [MP-11x/FXO] spełnia podstawowe wymagania i odpowiada warunkom zawartym w dyrektywie 1999/5/EC
Portuguese	[AudioCodes Ltd] declara que este [MP-11x/FXO] está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE
Slovak	[AudioCodes Ltd] týmto vyhlasuje, že [MP-11x/FXO] spĺňa základne požiadavky a všetky príslušne ustanovenia Smernice 1999/5/ES
Slovene	Šiuo [AudioCodes Ltd] deklaruoja, kad šis [MP-11x/FXO] atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas
Spanish	Por medio de la presente [AudioCodes Ltd] declara que el [MP-11x/FXO] cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE
Swedish	Härmed intygar [AudioCodes Ltd] att denna [MP-11x/FXO] står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG

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APPENDIX C

How to Contact Us

Write to us at:	Monster Power C/O Monster Cable Products, Inc. 455 Valley Drive Brisbane, CA 94005
Visit us on the web at:	monstercable.com
Call us toll-free at:	877/800-8989

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3) Adjustment for DJ480

fc: Test Center frequency

DJ480C1..... fc = 410.00MHz
DJ480C2..... fc = 460.00MHz
DJ480C3, T, E..... fc = 440.00MHz

TX , PLL Adjustment

Item	Condition	Measurement		Adjustment			Specifications / Remarks
		Test-equipment	Terminal	Unit	Parts	Method	
Reference Frequency	Frequency: fc PTT: ON	Frequency Counter	ANT	RF	TC1		fc +/-100Hz
Power	Frequency: fc PTT: ON Power: High	Power Meter	ANT	RF	VR1		5.0 +/-0.2W
	Freq: fc PTT: ON Power: Low				VR5		0.4 +/-0.05W
MIC DEV	Frequency: fc AG output: 1kHz, -30dBm PTT: ON Power: Low	AF OSC Linear Detector	ANT	RF	VR2		4.3kHz +/-0.2kHz/DEV
DTMF DEV (option)	Frequency: fc PTT: ON Power: Low Push "1" key on keypad			DTMF	VR401		3.0kHz +/-0.5kHz/DEV
TONE 88.5Hz DEV (option)	Frequency: fc PTT: ON Power: Low TONE 88.5Hz set			TONE	VR701		0.8kHz +/-0.1kHz/DEV

RX Adjustment

Item	Condition	Measurement		Adjustment			Specifications / Remarks
		Test-equipment	Terminal	Unit	Parts	Mathod	
RX Front End	Frequency: fc SSG mod: 1kHz 3.5kHz DEV	SSG Oscilloscope AF Voltmeter Distortion Meter	Speaker	RF	L9 ~ L13	12dB SINAD: MAX	12dB SINAD -6.0dBμV (EMF)

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In the diagram, the **Low-Pass Filter** removes carrier-related signals to reject them from the circuits that follow. The **Low-Noise Amplifier** improves the measurement noise floor. The **Output Conditioning** circuits set the proper level to the FFT spectrum analyzer and limit the frequency range of the noise for the frequency segment being measured.

Figure 5 shows the more common measurement mode where two RF sources are phase-locked together in quadrature (that is, the phase difference of the sources is 90°). In this situation the **Phase Detector** outputs a signal proportional to the sum of the phase fluctuations on the two sources. The output from the Phase Detector is switched (by the **Input Switch)** into the same path as in the previous example. For this method to give valid results several conditions must be met.

- The L and R ports of the Phase Detector may be interchanged, and either source may be the local oscillator (the higher level "L" source). Neither source should exceed the specified maximum level.
- Either source can be the VCO (Voltage-Controlled Oscillator), but it must be tuneable with dc (dc FM) and compatible with the other source and the Interface.
- The VCO must be characterized (its tuning constant measured) before valid measurements can be made. This is done by the software after some general characteristics are input by the user.
- The two signals must remain in quadrature during the measurement. Tbe Interface meter (not sbown) is useful for visually monitoring phase quadrature drift between the two sources.
- The rms sum of the phase noise of both sources is measured inseparably.
- The conditioning circuits within the Interface must have been characterized before any measurements are made with the Interface. This is usually done annually; calihration data is stored in mass storage.

NOTE

When configuring the system for a phase-noise measurement, one source is arbitrarily defined as the "Device-under-Test" (DUT) and the other source as the "Reference". Either source can be the L source and either source can be the VCO.

Characterization of the phase-lock loop (PLL) is critical. If the loop is incorrectly set up, the loop may not acquire lock, may he unstable or even oscillats (create discrete FM), may track out the phase noise, or may generate erroneous results. Selection of the proper loop parameters is the task of the controller which, based on measured and user-input data, chooses the device parameters in the **Tune Voltage Conditioning** circuits which best match the VCO. The parameters that the controller can manipulate in the PLL are gain, offset, and frequency-response shaping (selection of poles and zeros).

A4 Phase Detector Assembly

Refer now to the main Block Diagram. The Phase Detector Assembly can conveniently be hroken into three functional circuit blocks: (1) the phase demodulation circuits, (2) calibration signal routing circuits, and (3) tune-voltage conditioning circuits.

Phese Demoduletion Circuits

If the phase noise on the device-under-test (DUT) has been demodulated externally, the demodulated phase noise is fed directly into the Interface via the front-panel NOISE INPUT connector. More commonly, the RF signal is demodulated by an internal RF or an optional microwave phase detector.

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Standard Displays

Your command center uses standard and custom displays to show the status of the security system. Many standard displays are described below. Your system may not use all of them. Descriptions of your custom text follow.

SYSTEM COMMAND

Displays when you press the **COMMAND** bar. The system is waiting for you to enter a one or two digit number to complete the command.

DISARM NOW

When the system is turned on, entering through a delay door starts entry delay time. The command center emits a tweedle tone and displays ***DISARM NOW***.

You must turn off the system before entry delay time expires to avoid creating an alarm event.

EXIT NOW

Arming your system starts exit delay time. The command center emits a repeating beep tone and displays ***EXIT NOW***.

NO AUTHORITY

The system does not recognize the passcode entered.

NOT AUTHORIZED

The passcode entered does not have the authority to Force Arm.

PERIMETR DELAY

Indicates that the perimeter is armed (turned on) with entry/exit delay time.
(See *Turning the System On With Delays*)

PERIMETR INSTANT

Indicates that the perimeter is armed (turned on) without entry/exit delay time.
(See *Turning the System On Without Delays*)

FIRST DISARM

Indicates that the function requested can only be performed when the area is disarmed. Disarm the area to perform the function.

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Help:

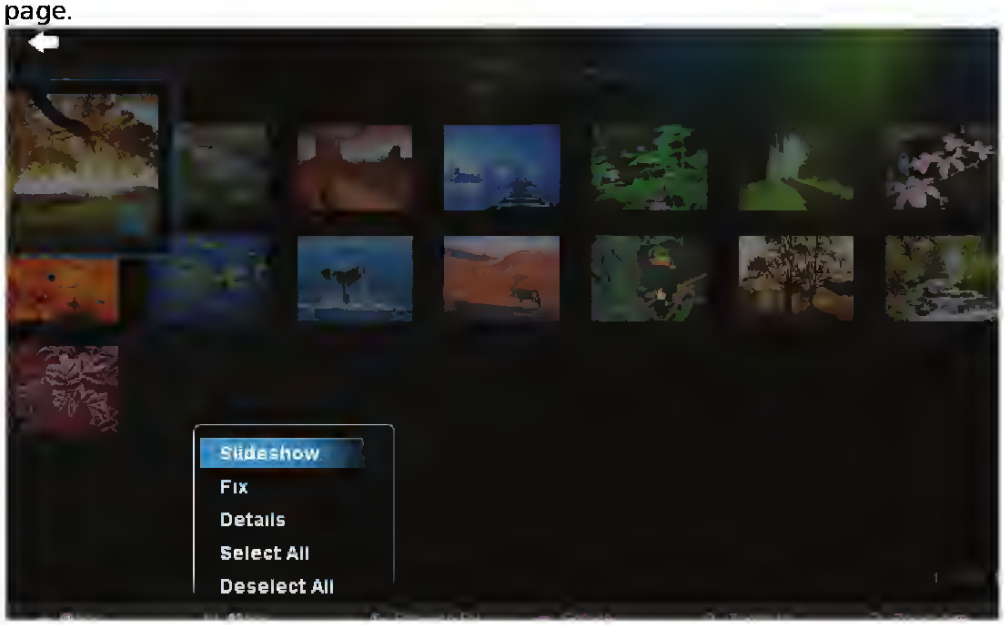
Click **Help** to view the Help file for detailed information on using Acer Arcade Deluxe.

About:

Click **About** to view the copyright and vendor information for Acer Arcade Deluxe.

Albums

Acer Arcade Deluxe lets you view digital photos individually or as a slideshow, from any available drive on your computer. Click **Albums** to open the main page.



Click **Photos** to open a folder browser that shows both individual pictures and folders. Click on a folder to open it.

To view a slideshow, open the folder containing the pictures you wish to view, select all or some of the pictures and click **Menu > Slideshow**. The slideshow is played at fullscreen resolution. Use the pop-up control panel to control the slideshow.

You can also view a single picture by clicking on it. This opens the picture at fullscreen resolution.

You can then use the onscreen controls to zoom in and out, and to pan in four directions.

Editing Pictures

Choose **Menu** and you can Rotate, Remove Red Eye, and Auto Fix (optimize the brightness and contrast) pictures to improve the appearance of your images.

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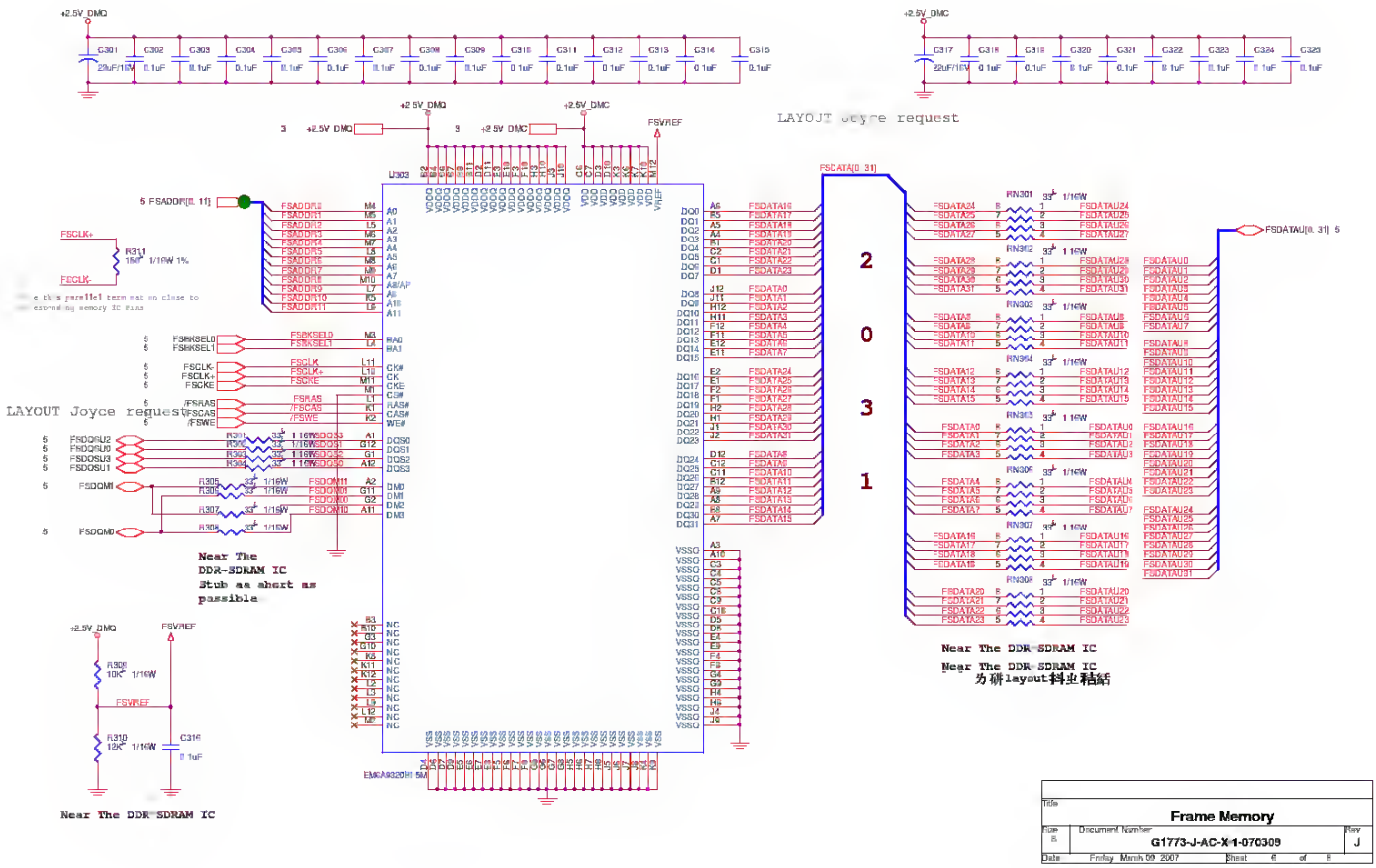

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and, with key set to key ON, check the continuity between the sensor connector PIN 2 and the vehicle ground connection: if it is OK, it means that the error cause is that the cable is shorted to positive and it is necessary to restore the cable harness between PIN 14 of the connector A (BROWN) and sensor PIN 1; check the sensor connector and the Marelli control unit connector. If they are not OK, restore the cable harness. If they are OK, check continuity between PIN 20 of the connector A (BROWN) and PIN 2 of the sensor connector: restore the cable harness if there is not continuity. If there is, it means that the control unit does not supply the ground connection and therefore should be replaced.

- If shorted to negative, check sensor correct resistance: if resistance = 0, replace the sensor; if resistance is correct, it means that the cable has ground connection: restore the cable harness.

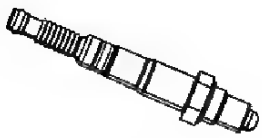
NOTES No error is detected if the sensor does not work correctly or the control unit connector or sensor terminals are rusty: then check through Axone if the temperature indicated is plausible in relation to the ambient temperature. Check also that the sensor electrical characteristics are observed: replace the sensor if not OK; if it is OK, check the sensor connector and the Marelli control unit connector.

Lambda sensor

LAMBDA PROBE

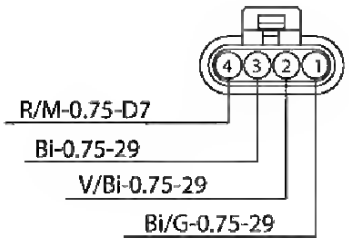
Function

It tells the control unit whether combustion is lean or rich.



Operation / Operating principle

The Marelli injection control unit reads and interprets a voltage generated by the difference in oxygen content between the exhaust fumes and the ambient. It does not require an external supply source but, in order to work properly, it should reach a high operating temperature: that is why there is a heating circuit inside.



Level in wiring diagram: Lambda probe

Location:

- on the vehicle: on the silencer

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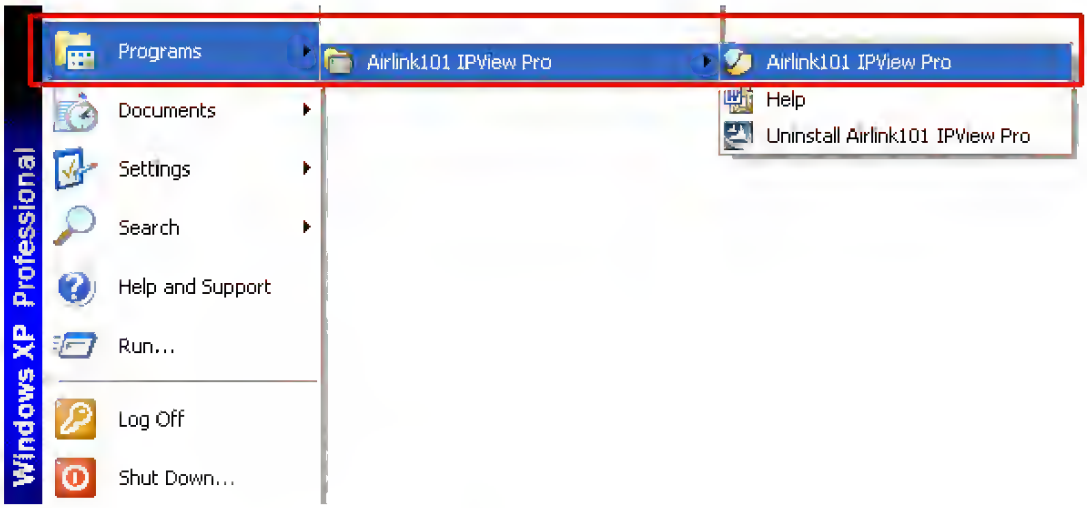
9.2 Starting IPView Pro

To start IPView Pro, go to **Start > (All) Programs > Airink101 IPView Pro > Airlink101 IPView Pro**



The main screen will appear as below:

Note: *Be sure to set your screen resolution to 1024 x 768 or higher.*

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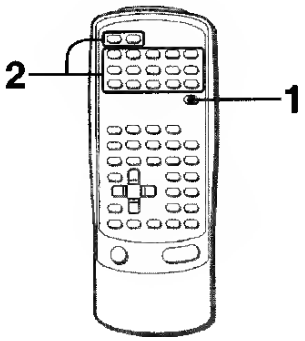
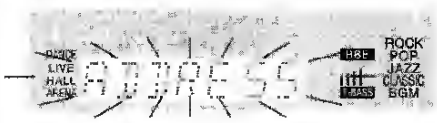
MEMORISATION DE CODES DE TELECOMMANDE (AV-X200 seulement)



La télécommande fournie peut piloter l'appareil raccordé ainsi que l'ampli-tuner si les codes des signaux de la télécommande de l'appareil raccordé ont été auparavant enregistrés. Quand vous utilisez la télécommande, les codes des signaux enregistrés sont transmis à l'expanseur de télécommande fourni et font fonctionner l'appareil externe. Cette télécommande peut mémoriser en tout 30 codes d'une autre télécommande.

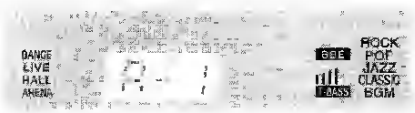
Utilisez la télécommande.

1 Appuyez sur la touche LEARN.
"ADDRESS" clignote sur l'afficheur.

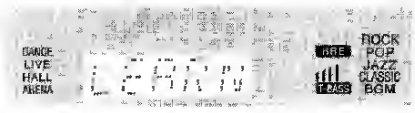


2 Appuyez sur les touches MEMORY (A-O), puis sur la touche ADDRESS 1 ou 2 pour désigner la touche sur laquelle le code doit être enregistré.
L'indication que vous avez désignée apparaît sur l'afficheur.

Par exemple: Si vous désignez ADDRESS 1 pour la touche MEMORY A.



3 Tout en dirigeant la télécommande de l'appareil raccordé vers l'appareil, appuyez sur la touche de fonction qui doit être mémorisée.
"LEARN" apparaît quand le code est mémorisé.
"ERROR" apparaît si le code n'est pas accepté.



En l'espace de deux secondes, l'affiche de l'étape 1 réapparaît.

4 Refaites les opérations 2 et 3 pour mémoriser d'autres codes.

Quand vous avez fini
Appuyez sur la touche LEARN.

Remarque

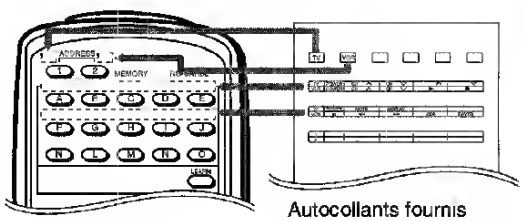
- Le code de l'autre telecommende ne sere peut-être pas reçu:
  - Si le code à enregistrer n'est pas un code standard
  - Si une lampe fluorescente est allumée près du cepteur dans l'afficheur
- Certains codes, par exampla, ceux de la touche VOLUME UP/ DQWN, de la touche SEARCH et de la touche SEND pour transmettre la programmation d'enregistrement peuvent ne pas être mémorisées correctement.
  Quand vous utilisez les touches MEMQRY et ADDRESS pour faire fonctionner un appareil externe, alors que ces types de codes ont été stockés sur les touches, l'appareil risque de ne pes fonctionner.
- Quand vous désignez une touche sur laquelle un code est déjà enregistré, ce code est effacé.

Pour utiliser l'appareil raccordé
Appuyez sur une des touches MEMORY et sur la touche ADDRESS 1 ou 2 sur laqualla la coda a été enregistré.

Remarque

- Installez l'expanseur de télécommande de sorte qu'il soit dirigé vers l'appareil que vous voulez utilisar.
- Comme l'expanseur de télécommande n'est pas fourni avec l'AV-X100, cette fonction n'est pas disponible sur cet appareil.

Utilisation des autocollants fournis
Collez les autocollants fournis sur la télécommande pour indiquer les touches et adresses sur lesquelles sont enregistrés les codes d'une autre télécommande.
Il est conseillé de mémoriser les signaux dans l'ordre indiqué sur les autocollents. Si cet ordre ne vous convient, utilisez les autocollants viargas foumis.
Tnlevez les autocollents de le feuille et collez-les sur le télécommande.



Autocollants fournis

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Adjusting Bluetooth settings

You can use Bluetooth to exchange information between your smartphone and other mobile devices.

Bluetooth connections

For all Bluetooth settings, open the *Application menu* and tap **Settings > Bluetooth**. Here you can switch Bluetooth on or off, set a device name and discoverability. Tap **SEARCH FOR DEVICES** to scan for available devices.

To connect to a device, tap the device in the list of available devices. You may be asked to enter a PIN on both devices to establish the connection.

To simply turn on or off Bluetooth, open the **Notification** area and tap the **Bluetooth** button.

Internet sharing

Tethering via USB

If you wish to share your mobile internet connection with a computer, you can connect your smartphone to a PC using the supplied USB cable.

1. Plug the USB sync cable into the micro USB connector on your smartphone.
2. Plug the USB client connector into an available USB port on your computer.
3. Push the **Menu** button and then tap **Settings** > **More..** > **USB Internet**.

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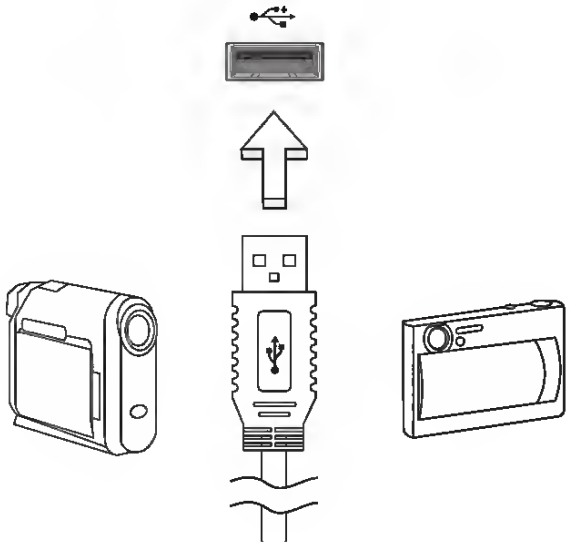
Universal Serial Bus (USB)

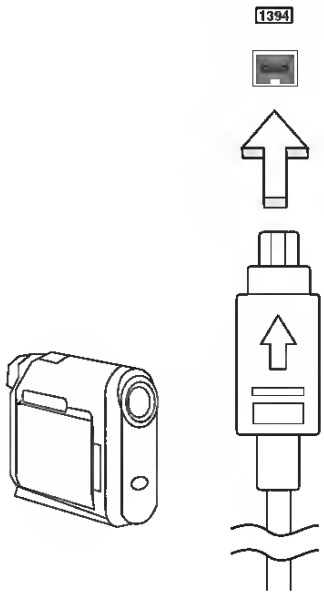
The USB 2.0 port is a high-speed serial bus which allows you to connect USB peripherals without taking up precious system resources.



IEEE 1394 port

The computer's IEEE 1394 port allows you to connect to an IEEE 1394-compatible device like a video camera or digital camera.

See your video or digital camera's documentation for details.



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Appendix C. Updating TA 544 Firmware using TFTP

TA 544 supports firmware updates via the IP network using TFTP from a network server. The network server must be capable of supporting TFTP server requests from the TFTP client within the TA 544.

You must have a level 2 password to perform updates to the TA 544. Please consult the TA 544 administrator if this password is not known.

You must obtain the appropriate update file from ADTRAN Technical Support at **(888) 4ADTRAN (423-8726)** or call **(256) 963-8000** and ask for Technical Support.

You must copy the update file provided by ADTRAN to a network server that supports TFTP server requests. Record both the IP address of the server and the full path location of the update file to be downloaded.

The following materials are required:

- A PC with a Telnet client software
- A TFTP Server accessible on the local network (a TFTP Server is provided as part of the ADTRAN Utilities software)

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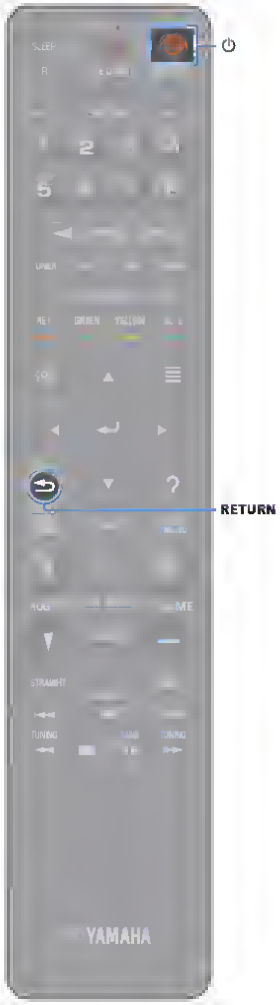


9 Optimizing the speaker settings automatically (YPAO)

The Yamaha Parametric room Acoustic Optimizer (YPAO) function detects speaker connections, measures the distances from them to your listening position(s), and then automatically optimizes the speaker settings, such as volume balance and acoustic parameters, to suit your room.

The YPAO function of the unit adopts the YPAO-R.S.C. (Reflected Sound Control) technology that enables to create natural sound fields like a room specifically designed for acoustic perfection.

Note the following regarding YPAO measurement.

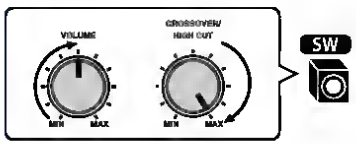
- Test tones are output at high volume and may surprise or frighten small children.
- Test tone volume cannot be adjusted.
- Keep the room as quiet as possible.
- Stay in a corner of the room behind the listening position so that you do not become an obstacle between speakers and the YPAO microphone.
- Do not connect headphones.

1 Press ⏻ (receiver power) to turn on the unit.

2 Turn on the TV and switch the TV input to display video from the unit.

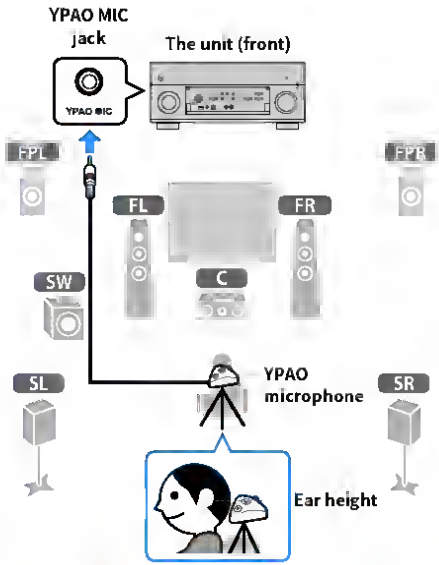
If you turn on the unit for the first time, the message regarding the network setup appears. For now, press RETURN and proceed to Step 3

3 Turn on the subwoofer and set the volume to half. If the crossover frequency is adjustable, set it to maximum.

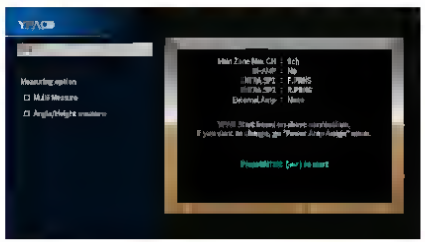


4 Place the YPAO microphone at your listening position and connect it to the YPAO MIC jack on the front panel.

Place the YPAO microphone at your listening position (same height as your ears). We recommend the use of a tripod as a microphone stand. You can use the tripod screws to stabilize the microphone.



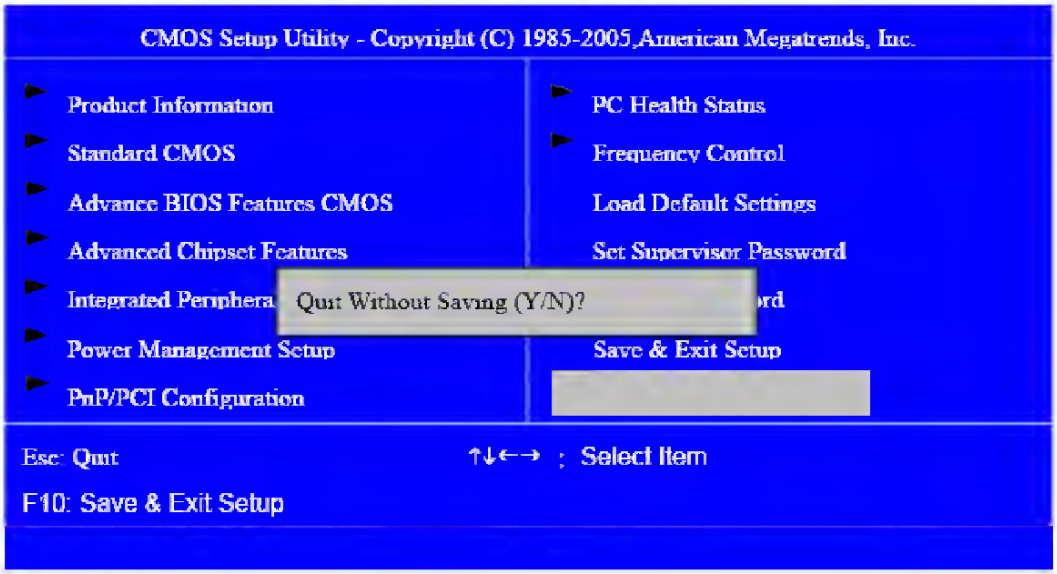
The following screen appears on the TV.



To cancel the operation, disconnect the YPAO microphone before starting the measurement.

Exit Without Saving

Highlight this item and press <Enter> to discard any changes that you have made in the Setup Utility and exit the Setup Utility.



Parameter	Description	Options
Exit Without Saving	Press<Enter> to discard any changes and exit the Setup Utility	

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3 Troubleshooting my computer

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If a power loss occurs during a firmware upgrade, redundant ROM support enables data recovery.

ROMPaq Utility

Flash ROM enables you to upgrade tbe firmware (BIOS) with system or option ROMPaq utilities.

To upgrade the BIOS:

1. Download the latest ROMPaq from

   www.compaq.com

2. Follow the instructions and create a bootable diskette.

   IMPORTANT: You can use the iLO Virtual Media applet to create the image file. Refer to the *Compaq Integrated Lights-Out User Guide* on the Documentation CD. If you use this method, omit step 3.

3. Create a diskette image from the bootable diskette:

   a. Locate the CPQIMAGE Utility on

      www.compaq.com

   b. Follow the instructions in the utility to create a diskette image on the hard drive from the bootable diskette.

4. Access the server blade through the iLO Remote Console. Refer to the *Compaq ProLiant BL p-Class System Hardware Configuration and Installation* poster.

5. Use tbe iLO virtual power button to reboot the server blade and set the blade to boot from the diskette image you created in step 2.

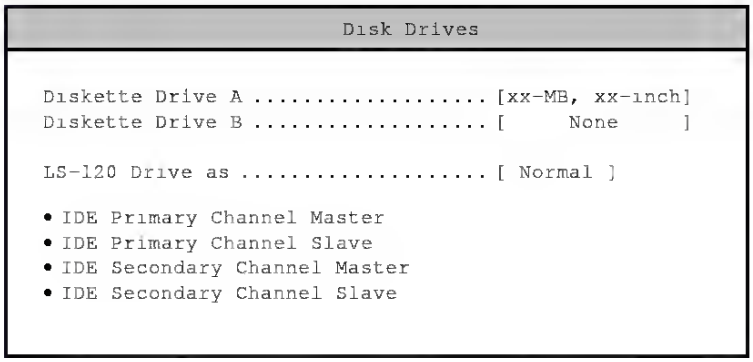
The ROMPaq Utility checks the system and provides a choice (if more than one exists) of available ROM revisions. By default, the oldest ROM version is updated. This procedure is the same for both system and option ROMPaq utilities.

If a power loss occurs during a firmware upgrade, redundant ROM support enables data recovery.

2.4 Disk Drives

Select Disk Drives to input configuration values for disk drives.

The following screen shows the Disk Drives menu:


Disk Drives
Diskette Drive A ..... [xx-MB, xx-inch]
Diskette Drive B ..... [None]
LS-120 Drive as ..... [Normal]
• IDE Primary Channel Master
• IDE Primary Channel Slave
• IDE Secondary Channel Master
• IDE Secondary Channel Slave

2.4.1 Floppy Drives

To enter the configuration value for the first floppy drive (drive A), highlight the Floppy Drive A parameter. Press → or ← key to view the options and select the appropriate value.

Possible settings for the Floppy Drive parameters are:

- [None]
- [360 KB, 5.25-inch]
- [1.2 MB, 5.25-inch]
- [720 KB, 3.5-inch]
- [1.44 MB, 3.5-inch]
- [2.88 MB, 3.5-inch]

Follow the same procedure to configure floppy drive B. Choose None if you do not have a second floppy drive.

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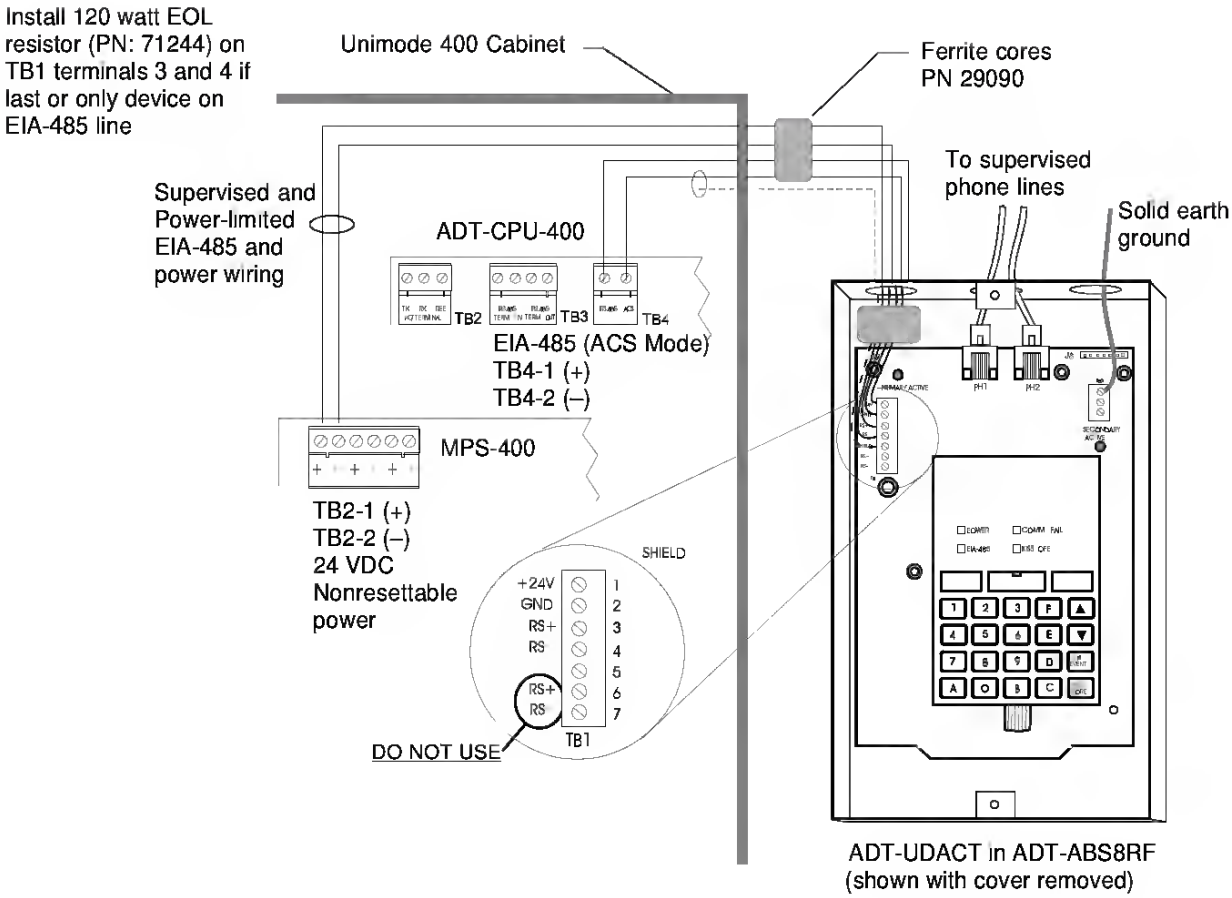

Notes:

1) Ferrite cores are recommended for all applications.

2) Recommended wire is 12 AWG to 18 AWG twisted pair.

3) Shielded wire is not required (unless mandated by local AHJ).
   If shielded wire is used, connect only one end of shield:
   a) shield may be connected to cabinet (earth ground) at fire alarm panel, or
   b) shield may be connected to TB1 Terminal 5 (Shield) at ADT-UDACT as shown in Figure E-3.
   NOTE: The shield end that is not connected should be insulated to prevent accidental grounding. Do not connect both ends of shield under any circumstance since a ground fault may result.

4) Conduit is recommended for external wire runs. Consult local building codes.

5) Connect Ground Strap (supplied with ADT-ABS8RF enclosure) from Earth Ground terminal on ADT-UDACT to a solid building earth ground. Conduit alone will not provide a reliable earth ground.

6) ADT-UDACT may be located up to 6,000 feet away from the host control panel.

7) Refer to Specifications for power requirements.

Figure E-3: Unimode 400 External ADT-UDACT Mounting in ADT-ABS8RF

- Mettez hors tension le système et débranchez tous les cordons d'alimentation avant de retirer le capot d'accès pour les zones non hot-plug.
- Ne remplacez pas les composants non hot-plug tant que le produit est sous tension. Tout d'abord, mettez bors tension le produit et débranchez tous les cordons d'alimentation secteur.
- Ne dépassez pas le niveau de réparation précisé dans les procédures de la documentation du produit. Toutes les procédures de résolutions de problèmes et réparations sont détaillées afin de ne permettre une réparation qu'au niveau du module ou sous-système. En raison de la complexité des cartes individuelles et sous-ensembles, n'essayez pas d'effectuer des réparations au niveau des composants, ou de modifier des cartes à circuits imprimés. Des réparations inadéquates peuvent créer un risque pour la sécurité.
- Pour les produits posés à même le sol, installez et déployez les stabilisateurs situés sous le produit avant d'installer les options et les cartes.
- Vérifiez que le circuit d'alimentation électrique qui apporte l'énergie au rack n'est pas surchargé. Ceci permet de réduire le risque de blessure, incendie ou endommagement du matériel. La charge totale du rack ne doit pas dépasser 80 % de la tension du circuit de dérivation. Veuillez consulter l'autorité compétente en électricité en ce qui concerne le câblage et les besoins de votre installation.

Précautions à prendre pour les produits d'alimentation

Cordons d'alimentation

Pour éviter le risque d'électrocution ou d'endommagement du matériel :

- Utilisez un cordon d'alimentation agréé.
- Si vous n'avez pas reçu de cordon d'alimentation pour votre ordinateur ni pour toute option relative à ce dernier, vous pouvez en acheter un agréé dans votre pays.
- Le cordon d'alimentation doit être aux normes du produit et correspondre à la tension indiquée sur l'étiquette des caractéristiques de cournat de fonctionnement du produit. La tension et l'intensité nominale du cordon doivent être supérieures à celles indiquées sur le produit.
- Si vous avez des questions concernant le type de cordon d'alimentation à utiliser, adressez-vous à votre Revendeur Agréé HP.
- Ne placez pas d'objets sur les cordons ou câbles d'alimentation. Disposez-les de façon à ne pas risquer de marcher ou trébucher dessus par accident.
- Ne tirez pas sur un cordon ou un câble. Lorsque vous soubaitez le débrancher de la prise électrique, prenez le cordon par la prise.
- Vérifiez que l'ampérage de tous vos produits branchés dans la rallonge ou multiprise ne dépasse pas 80% de la limite en ampère de ces derniers.
- Ne neutralisez pas la prise de terre du cordon d'alimentation. C'est un élément de sécurité important.
- Branchez le cordon d'alimentation dans une prise électrique mise à la terre et aisément accessible à tout moment.

Alimentations

- Les alimentations hot-plug ne sont pas conçues pour être retirées ou installées en cas d'alimentation secteur. Pour éviter tout risque d'électrocution ou d'endommagement de l'équipement en cas de manipulation d'alimentations bot-plug :
  - Installez l'alimentation avant de brancher le cordon d'alimentation.
  - Débranchez le cordon d'alimentation avant de retirer l'alimentation du produit.
  - Si le système est doté de plusieurs sources d'alimentation, vous devez débrancher tous les cordons secteur des alimentations pour déconnecter entièrement le système.
- Vérifiez que la source d'alimentation externe branchée à votre produit correspond au type de source d'alimentation indiqué sur l'étiquette des caractéristiques du courant de fonctionnement. Si vous n'êtes pas sûr du type d'alimentation nécessaire, veuillez contacter votre Revendeur Agréé HP ou votre agence EDF.

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Table 5. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty.	Description	Mfr. Code	Mfr. Part Number
A3C51	0160-3324	7		CAPACITOR-FXD 1UF +-5% 100VDC MET-POLYC	28480	0160-3324
A3C53	0160-4787	6	3	CAPACITOR-FXD 22PF +-5% 100VDC CER 0+-30	28480	0160-4787
A3C54	0160-3324	7		CAPACITOR-FXD 1UF +-5% 100VDC MET-POLYC	28480	0160-3324
A3C55	0160-4822	2		CAPACITOR-FXD 1000PF +-5% 100VDC CER	28480	0160-4822
A3C56	0160-4389	6	6	CAPACITOR-FXD 100PF +-5PF 200VDC CER	28480	0160-4389
A3C57-200				NOT ASSIGNED		
A3C201	0180-0229	7		CAPACITOR-FXD 33UF+-10% 10VDC TA	56289	150D336X9010B2
A3C202	0180-0291	3		CAPACITOR-FXD 1UF+-10% 35VDC TA	56289	150D105X9035A2
A3C203	0160-4801	7	8	CAPACITOR-FXD 100PF +-5% 100VDC CER	28480	0160-4801
A3C204	0160-4801	7		CAPACITOR-FXD 100PF +-5% 100VDC CER	28480	0160-4801
A3C205	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C206	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C207	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C208	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C209	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C210	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C211	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C212	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C213	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C214	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C215	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C216	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C217	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C218	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C219	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C220	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C221	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C222	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C223	0180-1746	6		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C224	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C225	0180-2207	6	2	CAPACITOR-FXD 100UF+-10% 10VDC TA	56289	150D107X5010R2
A3C226	0160-2667	1	1	CAPACITOR-FXD 150UF+-10% 20VDC TA	56289	152D157X9020S2
A3CR1	1901-0518	6	3	DIODE-SM SIG SCHOTTKY	28480	1901-0518
A3CR2	1901-0518	6		DIODE-SM SIG SCHOTTKY	28480	1901-0518
A3CR3	1901-0518	6		DIODE-SM SIG SCHOTTKY	28480	1901-0518
A3CR4-7				NOT ASSIGNED		
A3CR8	1901-0418	7	4	DIODE-PWR RECT 400V 1.5A	28480	1901-0418
A3CR9	1901-0418	7		DIODE-PWR RECT 400V 1.5A	28480	1901-0418
A3CR10	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	6N171	1N4150
A3CR11	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	6N171	1N4150
A3CR12	1901-0418	7		DIODE-PWR RECT 400V 1.5A	28480	1901-0418
A3CR13	1901-0418	7		DIODE-PWR RECT 400V 1.5A	28480	1901-0418
A3CR14	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	6N171	1N4150
A3CR15	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	6N171	1N4150
A3CR16-200				NOT ASSIGNED		
A3CR201	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	6N171	1N4150
A3FL1	2110-0757	1	8	FUSE-SUBMINIATURE 0.63A 125V .28X.095 UL	75915	251.062
A3FL2	2110-0757	1		FUSE-SUBMINIATURE 0.63A 125V .28X.095 UL	75915	251.062
A3FL3	2110-0757	1		FUSE-SUBMINIATURE 0.63A 125V .28X.095 UL	75915	251.062
A3FL4	2110-0757	1		FUSE-SUBMINIATURE 0.63A 125V .28X.095 UL	75915	251.062

†Refer to Table 7 for update information.

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To perform an **emergency** shut down of a server blade, press and hold the blade power button for 4 seconds.

CAUTION: Performing an emergency shutdown on a server blade may result in the loss of any unsaved data.

Powering Down the Enclosure

To perform a graceful shutdown of the enclosure and all the server blades, press the enclosure power button. If the operating system is Microsoft® Windows® 2000, the enclosure automatically performs a graceful shutdown of all server blades, and then removes power from the enclosure. If the operating system is Red Hat Linux, you must have the Linux Health driver installed in order for the server blades to shutdown gracefully.

To perform an **emergency** shut down of the enclosure and all server blades, press and hold the enclosure power button for 4 seconds.

CAUTION: Performing an emergency shutdown on the enclosure may result in the loss of any unsaved data on all server blades.

Installing a Server Blade

CAUTION: Electrostatic discharge can damage electronic components. Properly ground yourself before beginning any installation procedure. See Appendix B, "Electrostatic Discharge," for more information.

To install a server blade:

1. Determine the hardware configuration and server deployment process. See Chapter 4, "Deployment and Management."
2. Install or upgrade memory before installing server blades into an enclosure. See the "Installing Additional Memory" section in this chapter.

Parameter	Acceptable values	Comments
sectors	32|63|default|?	The default setting depends on the operating system.
aa	enable|disable|?	The default setting is enable.
drivetype	sas|satalogical|sata|saslogical|parallelscsi|ss_sas|ss_sata|?	—

*Use only these units. Do not enter any extra text in the command to specify the units.

If you specify an array as the target, you can omit the drives parameter, because the drives are already implicitly defined by the array ID. This feature is useful if you are entering the command directly into the CLI console because you do not need to remember which drives belong to the array. When you write a batch file, however, it is often easier to specify every drive in the array than to parse out the array ID.

When you use the drives parameter you can list each drive individually, you can specify a drive range, or you can specify both a range and some individual drives. A drive range can span parts, boxes, and bays. If you specify individual drives, they do not have to form a continuous sequence. If you specify a range, the CLI automatically excludes from the target any drive in the range that is unavailable (for example, a drive is excluded if it already belongs to an array, is a spare, has too small a capacity, or has failed).

If you want to specify an existing array by its drives rather than by array ID, then all of the drives that you specify must belong to the same array, and none of the drives in the array can be omitted.

Example commands:

```
ctrl slot=5 create type=ld drives=1:0,1:1,1:3 raid=adg
ctrl slot=5 create type=ld drives=1:1-1:3 raid=adg
ctrl slot=5 create type=ld drives=1:7,1:10-2:5,2:8-2:12 raid=adg
ctrl slot=5 array A create type=ld size=330 raid=adg
```

The following pair of commands demonstrates how the drives parameter can be used in a batch file to create two logical drives on the same array, one of 330 MB and the other of 450 MB:

```
ctrl slot=2 create type=ld drives=1:1-1:6 size=330 raid=adg
ctrl slot=2 create type=ld drives=1:1-1:6 size=450 raid=5
```

Sample scenario

Consider a situation in which you want to create two arrays. One of these arrays needs two logical drives, while the other needs only one.

First, determine what physical drives are available and what their properties are:

```
=> ctrl ch="Lab 4" pd all show
```

For this sample scenario, the screen response is:

```
MSA1000 at Lab 4
   unassigned
      physicaldrive 1:12 (box 1:bay12, Parallel SCSI, 36.4 GB, OK)
      physicaldrive 1:13 (box 1:bay13, Parallel SCSI, 9.1 GB, OK)
      physicaldrive 1:14 (box 1:bay14, Parallel SCSI, 9.1 GB, OK)
```

Knowing this information, you can now create the first array with one logical drive:

```
=> ctrl ch="Lab 4" create type=ld drives=1:12
```

Now, verify that the array has been created:

```
=> ctrl ch="Lab 4" pd all show
```

In this case, the screen response is:

```
MSA1000 at Lab 4
   array A
```


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Installing Processor

NOTE: To allow easier access, you can tilt the server on its right side (side opposite of the removed panel). Be sure to lock the casters if you tilt the server.

NOTE: Your processor and Processor Power Module may differ from the models illustrated.

For the location of the processor settings switch and Bus/Ratio settings, refer to the *Hardware Installation and Configuration* poster or to the hood label located on the small access panel.

1. Prepare the server for installation. See section "Preparing the Server," outlined earlier in this chapter.
2. Install the Intel processor.

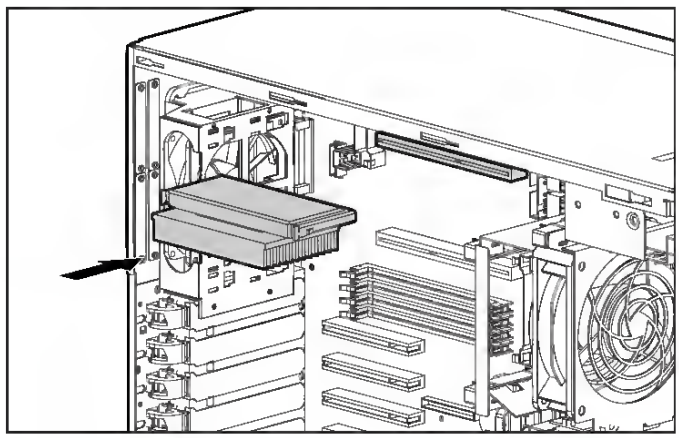

Figure 4-3 Installing the Intel processor

For use with 350-MHz or greater Intel processor-based servers only

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2.15.1 AMASK

The 21264/EV68A returns the AMASK instruction values provided in Table 2–15. The I_CTL register reports the 21264/EV68A pass level (see I_CTL[CHIP_ID], Section 5.2.15).

Table 2–15 21264/EV68A AMASK Values

21264/EV68A Pass Level	AMASK Feature Mask Value
See I_CTL[CHIP_ID], Table 5–11	1307_{16}

The AMASK bit definitions provided in Table 2–15 are defined in Table 2–16.

Table 2–16 AMASK Bit Assignments

Bit	Meaning
0	Support for the byte/word extension (BWX) The instructions that comprise the BWX extension are LDBU, LDWU, SEXTB, SEXTW, STB, and STW.
1	Support for the square-root and floating-point convert extension (FIX) The instructions that comprise the FIX extension are FTOIS, FTOIT, ITOFF, ITOFS, ITOFT, SQRTF, SQRTG, SQRTS, and SQRTT.
2	Support for the count extension (CIX) The instructions that comprise the CIX extension are CTLZ, CTPOP, and CTTZ.
8	Support for the multimedia extension (MVI) The instructions that comprise the MVI extension are MAXSB8, MAXSW4, MAXUB8, MAXUW4, MINSB8, MINSW4, MINUB8, MINUW4, PERR, PKLB, PKWB, UNPKBL, and UNPKBW.
9	Support for precise arithmetic trap reporting in hardware. The trap PC is the same as the instruction PC after the trapping instruction is executed.
12	Support for using a prefetch with modify intent to improve the performance of the first attempt to acquire a lock. When clear, indicates possible prefetch error with locks, described in waiver 10 to the Alpha Architecture and in the prefetch section of the appropriate processor (21264/EV6 and 21264/EV67) documents.

2.15.2 IMPLVER

For the 21264/EV68A, the IMPLVER instruction returns the value 2.

2.16 Design Examples

The 21264/EV68A can be designed into many different uniprocessor and multiprocessor system configurations. Figures 2–12 and 2–13 illustrate two possible configurations. These configurations employ additional system/memory controller chipsets.

Figure 2–12 shows a typical uniprocessor system with a second-level cache. This system configuration could be used in standalone or networked workstations.

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NOTE The LED pattern is only valid if the Firmware Main Menu is not displayed at the Console.

	LAN LED	Heartbeat LED	Indication
	Random Blink Pattern	Heartbeat Blink Pattern	Normal Operation (Under HP-UX)
	Off	Off	2nd Level Cache SIMM fault
	On (Steady)	Off	Memory SIMM fault
	On (Steady	On (Steady)	I/O Subsystem or I/O Board fault
	Off	On (Steady)	System board fault, HPMC or Unknown fault
	Blinking	On (Steady)	I/O HPMC fault
	Blinking opposite of Heartbeat LED	Blinking opposite of LAN LED	Memory HPMC fault (When LAN is ON, Heartbeat is OFF. When Heartbeat is ON, LAN is OFF)
	Off	Heartbeat Blink pattern	2nd Level Cache HPMC fault

Second Level Cache/RAM Memory Module Faults

Second Level Cache Memory Module Fault. This fault occurs when a Second Level Cache (SLC) failure prevents the system from completing selftest. Chassis codes provided by the HSC Remote Management card are useful in troubleshooting this type of error. For example, the fault FLT 2120 chassis code message indicates: “Second Level cache selftest” failure.

NOTE SIMM is an acronym for Single Inline Memory Module. A SIMM has components on one side of the card, only.DIMM is an acronym for Dual Inline Memory Module. A DIMM has components on both sides of the card.The acronym SIMM will be used throughout this section to refer to either SIMM or DIMM.

Electrostatic Discharge Precautions. The procedures in this section require opening the server and exposing the system to electrostatic discharge. Always observe all electrostatic precautions when working witb components inside or out of the server. Failure to follow these precautions may result in component damage or loss of system reliability.

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Installing a Floppy Disk Drive

To install the floppy disk drive:

1. Insert the floppy disk drive through the opening in the front panel ❶.

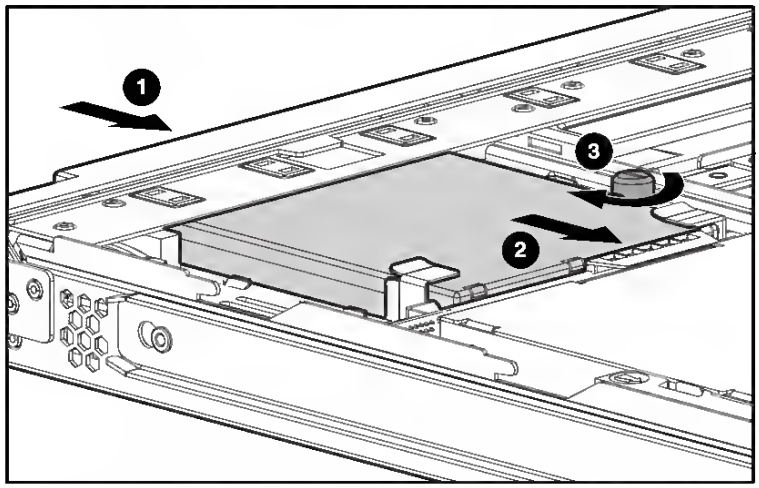

Figure 3-31. Installing the floppy disk drive

2. Align the connectors on the backplane and the rear of the floppy drive and push them together ❷.
3. Replace the floppy disk locking tab and turn the thumbscrew clockwise to secure the drive ❸.
4. Replace the access panel, see "Replacing the Access Panel" earlier in this chapter.
5. Press the Power On/Standby switch to power on the server and resume normal operations.

Removing Hot-Plug SCSI Hard Drive Blanks

The ProLiant DL360 G2 server ships standard with two hot-plug hard drive blanks. Before installing a hot-plug SCSI hard drive, remove the necessary blank.

CAUTION: Always populate drive bays with either a hard drive or drive blank. Proper airflow can only be maintained when the bays are populated. Unpopulated drive bays can lead to improper cooling and thermal damage.

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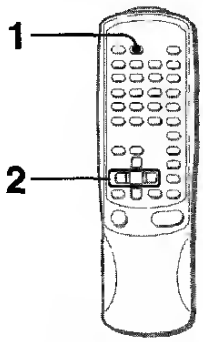
REGLAGE DE LA MINUTERIE D'ARRET

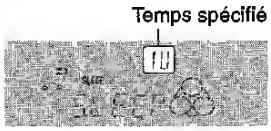


La minuterie d'arrêt permet de mettre l'appareil hors tension automatiquement au bout d'un temps spécifié.

Utiliser le télécommende.

1 **Appuyer sur la touche SLEEP.**

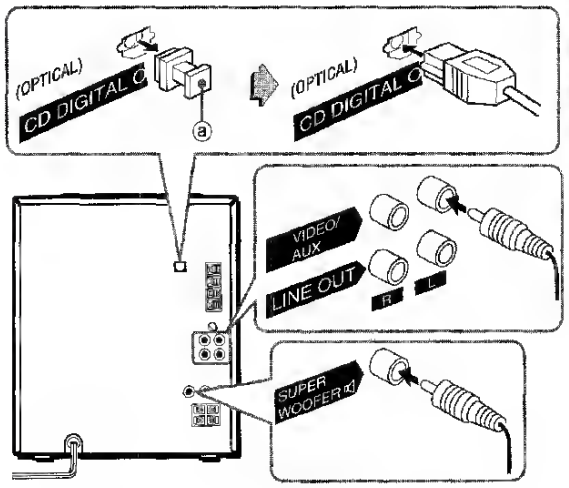
2 **Dans les quatre secondes qui suivent, appuyer sur la touche ◄◄ ou ►► pour spécifier le temps jusqu'à la mise hors tension.**
A cheque pression sur la touche, le temps change entre 10 et 240 minutes par pas de 10 minutes.



Pour contrôlsr le temps restant jusqu'à la mise hors tension
Appuyer une fois sur la touche SLEEP. Le temps restant est affiché pendant quatre secondes.

Pour annuler la minuteris d'arrêt
Appuyer deux fois sur la touche SLEEP de manière que "SLEEP" disparaisse de l'affichage.

CONNEXION D'UN APPAREIL OPTIONNEL



Pour plus de détails, se reporter au mode d'emploi de l'appareil connecté.

- Les cordons de raccordement ne sont pas fournis. Se procurer les cordons nécessaires.
- Pour les eppareils optionnels disponibles, consulter le distributeur Aiwa local.

PRISES VIDEO/AUX

Cet eppareil peut recevoir des signaux sonores analogiques par ces prises.
Utiliser un câble à fiches phono RCA pour connecter un appareil audio (tourne-disque, lecteur de disque laser, magnétoscope, téléviseur, etc.).
Connecter le fiche rouge è la prise R et la fiche blanche à la prise L.

Pour connecter un tourne-disque
Utiliser un tourne-disque Aiwa muni d'un amplificateur à égaliseur intégré.

PRISES LINE OUT

Cet appareil peut sortir les signeux sonores analogiques par ces prises.
Utiliser un câble è fiches phono RCA pour connecter un eppareil eudio muni de prises LINE IN (entrée analogique)

PRISE CD DIGITAL OUT (OPTICAL)

Cet appareil peut sortir les signaux sonores numériques de disque compact par cette prise. Utiliser un câble optique pour connecter un eppareil audio numérique (emplificeteur numérique, pletine DAT, enregistreur de minidisques, etc.).
Enlever le capuchon antipoussière ⓐ de la prise CD DIGITAL OUT (OPTICAL) Ensuite, connecter la fiche d'un câble optique à cette prise.

Quand la prise CD DIGITAL OUT (OPTICAL) n'est pas utilisée
Mettre en place le cepuchon antipoussière fourni.

PRISE SUPER WOOFER

Connecter un caisson de graves alimenté optionnel muni d'un amplificateur intégré à cette prise.

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To create CSPs:

1. Insert the SmartStart and Support Software CD into the CD-ROM drive tray of a server with a bootable CD-ROM drive. The server does not need to be the one in which you are going to install the controller.
2. Restart the server.
3. On the **Compaq System Utilities** screen, select **Create Support Software**.
4. On the **Diskette Builder** screen, select **Create Support Software From CD Only.**
5. Scroll down the list and select the support software for the operating system that you are using.
6. Follow the on-screen instructions to create the diskettes. Depending on your operating system, you will need to use up to six blank diskettes.

Detailed instructions for installing the device drivers are given in the README files on the CSPs.

Updating the Compaq Insight Manager Agents

If you are installing the controller as additional storage, you may now update the Compaq Insight Manager agents if new versions are available. Refer to the documentation that is included with Compaq Insight Manager for the correct procedure to update the agents.

You can obtain the Compaq Insight Manager Agents from your local Compaq reseller or Compaq authorized service provider. The latest versions of Compaq Insight Manager and Management Agents are also available for download at www.compaq.com/manage.

If the new agents do not function correctly, you may also need to update Compaq Insight Manager.

0 = 1 ms delay
17 = 18 ms delay

S32... DTE DSR ..... Controls the operation of the Data Set Ready signal on the DTE connectors.
0 = Force DSR on always
1 = DSR off OOS + Test
2 = DSR off Link Down

S33... DTE CD ..... Controls the operation of the Carrier Detect line on the DTE connectors.
0 = Force CD on always
1 = CD is active during a call (Normal Operation)
2 = Off with LOCD
3 = Off link down

S34... DTE DTR ..... Determines how the Express XR/ XRT responds to changes in DTR. This is a bit-mapped register.
0 = Ignore DTR
1 = Force AT command mode when DTR is off
2 = Dump incoming call when DTR is off
4 = Hang up incoming call when DTR is off
8 = Hang up outgoing call when DTR is off
16 = Answer incoming call when DTR is on
28 = Idle when off
32 = Dial SN0 when DTR is on
64 = Dial SN0 when DTR transitions from off to on

S40... BOND TXINIT .. Specifies the number of seconds the originating endpoint attempts to detect the Async BONDING negotiation pattern from the answering endpoint before deciding the Async BONDING call has failed.
0 to 255, 10 sec is default.

S41... BOND TXFA ..... Specifies the number of seconds both endpoints attempt to detect the async BONDING frame pattern when a call is connected before deciding the async BONDING call has failed. When operating with other manufacturer's async BONDING equipment it may be necessary to lengthen this timer so that it matches TXADD01.
0 to 255, 10 sec is default.

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This appendix lists the general notices of your computer.

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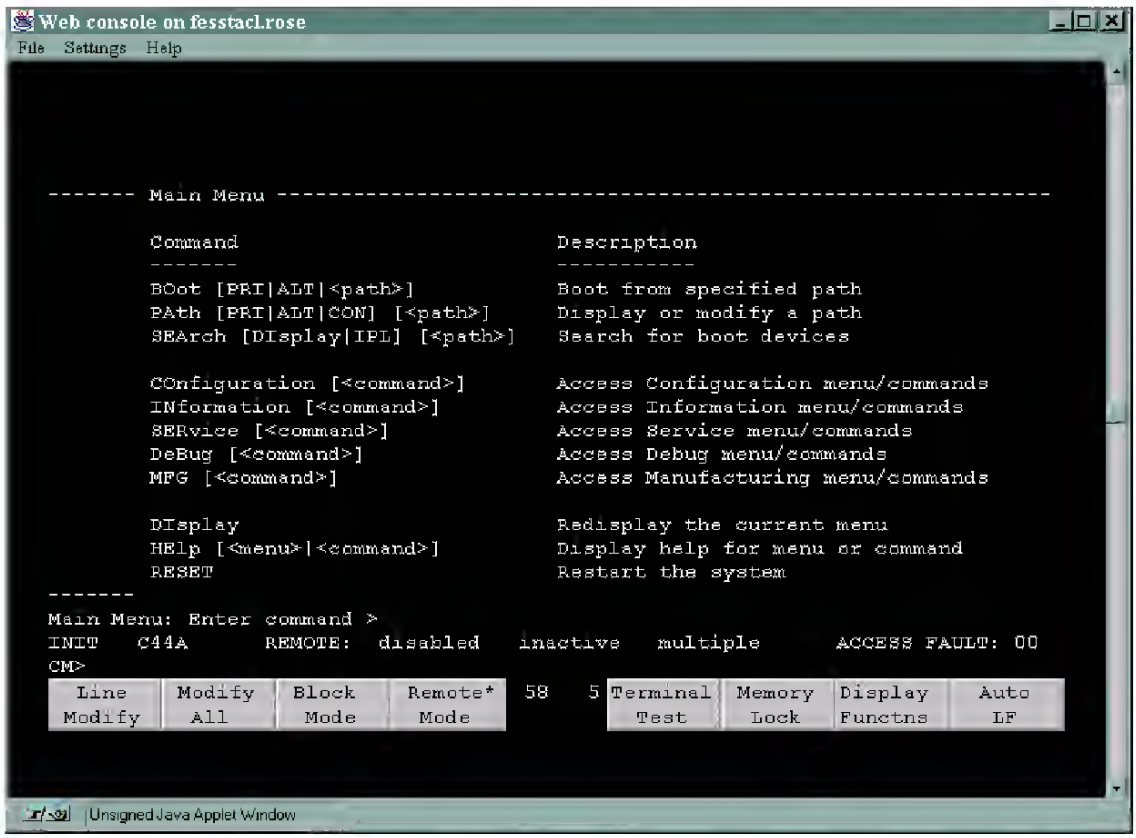
Firmware Warning Messages	Description/Action Required
WARNING: FAN FAILURE HAS BEEN DETECTED. THE SYSTEM WILL BE POWERING DOWN. PLEASE CALL YOUR SERVICE REPRESENTATIVE	A chassis fan failure requires replacing the EBU.
ERROR: A3342A AP Card must be in bottom slot only.	Move the AP A3342A card to the bottom slot.
ERROR: HSC card in wrong slot. Move to bottom slot.	A mix of HSC and PCI cards has been detected. The HSC card must be installed in the bottom slot.

Chassis Code Summary

Operating Status (OSTAT) and chassis codes are generated by A-Class server firmware. OSTAT and chassis codes can be read from stored locations or viewed 'real time' via the HSC Remote Management card.

Chassis codes displayed during selftest only appear at the console. They will appear on either the ASCII console or the Web console. Below is an example of how chassis codes appear in response to a 'control b' key sequence:



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English

Image is not full-screen.

The computer display has a native resolution of 1024 x 768 (XGA) for the 14.1"/15.0" screens. If you set the resolution lower than this, the screen expands to fill the computer display. Right-click on your Windows desktop and select Properties to bring up the **Display Properties** dialog box. Then click on the Settings tab to make sure that the resolution is set to the appropriate resolution. Resolutions lower than the specified resolution are not full-screen on the computer or on an external monitor.

No audio is heard from the computer.

Check the following:

- The volume may be muted. In Windows, look at the volume control (speaker) icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option.
- The volume level may be too low. In Windows, look at the volume control icon on the taskbar. You can also use the volume control buttons to adjust the volume. See **"Hot keys" on page 17** for more detail.
- If headphones, earphones or external speakers are connected to the line-out port on the computer's left panel, the internal speakers automatically turn off.

I want to eject the optical drive tray without turning on the power. I cannot eject the optical drive tray.

There is a mechanical eject button on the optical drive. Simply insert the tip of a pen or paperclip and push to eject the tray.

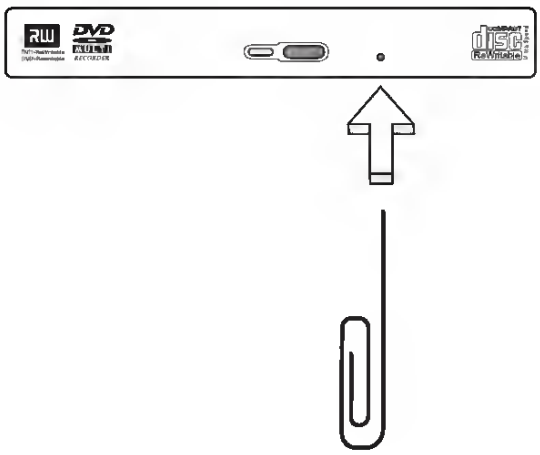

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Table 3-2
POST Error Messages *continued*

Error Code	Audible Beeps	Probable Source of Problem	Action
1613-Low System Battery.	None	Real-time clock system battery is running low on power.	Replace battery (or add external battery) as soon as possible.
1615-Power supply configuration error	None	Your configuration requires an additional power supply. A moving bar indicates that the system is waiting for another power supply to be installed.	Install the additional power supply.
1615-Power Supply Failure, Power Supply Unplugged, or Power Supply Fan Failure in Bay *X*.	None	Power supply has failed.	Reseat power supply firmly. -Or- Replace power supply as soon as possible.
1617-Fan controller not responding. System halted.	2 short	Fan controller failure detected.	Check and replace failed controller assembly.
1617-I/O Fan controller not responding. System halted.	2 short	I/O fan controller failure detected.	Check and replace failed controller assembly.
1617-CPU Fan controller not responding. System halted.	2 short	CPU fan controller failure detected.	Check and replace failed controller assembly.
1618-PCI slots powered down. Check PCI Hot-Plug enabler connectors.	None	PCI Hot Plug enabler is missing or failed.	Check and replace missing or failed assembly.

continued

ELECTRICAL SYSTEM

BATTERY (Lead Acid)

CAUTION: A normal battery can discharge by itself in 30 to 40 days when not in use, therefore, IT IS NECESSARY TO PERIODICALLY CHECK THE BATTERY AND CHARGE IT AS IS NECESSARY.

We suggest checking the batteries at least every two weeks in freezing weather. The temperature at which a battery will freeze depends on the condition of its charge. As an example, a fully charged battery with a specific gravity of 1.265 will not freeze until the electrolyte temperature drops to - 71.3 degrees F, while a discharged battery will freeze at +19 degrees F. The following table shows the freezing points of batteries at various specific gravity readings, temperature corrected 80 degrees F.

1.265	-71.3 F
1.250	-62 F
1.200	-16 F
1.100	+5 F
1.150	+19 F

Do not add water to a battery in freezing temperatures unless the vehicle will be put to use at once, otherwise the added water may freeze. Neglect is expensive. Care costs little. Check your batteries regularly.

MAINTAIN A CLEAN BATTERY TOP AND CHECK TERMINALS AND CABLES FOR TIGHTNESS AND CLEANLINESS. A dirty battery will dissipate its charge through surface contamination. Clean battery top with a damp cloth and dry thoroughly.

The terminals should be tight and free of corrosion. To clean terminals, neutralize with a solution of baking soda, rinse in clear water, and dry.

Note: Care must be used to make sure soda is not allowed to enter battery cells.

To insure maximum battery capacity on the charge and the discharge, the battery terminals and the inside portion of the cable connector should be scraped or brushed until both of these surfaces are shiny bright. The cable connectors should then be reconnected to the battery and tightened. The complete assembly, battery post and cable connector should be coated with heavy body mineral grease, petroleum grease or petroleum jell.

CAUTION: RECONNECT THE BATTERY CABLES TO THE CORRECT BATTERY POSTS. The black cable should be connected to the negative (-) post and the red cable to the (+) post. The polarity of your tow vehicle must also be negative (-) ground since it must always match the trailer. Most tow vehicles are negative grounded, but always check your vehicle owner's manual to be sure.

ADD WATER TO CELLS AS NECESSARY. Check the electrolyte level at least once a month. When you are traveling steadily and for an extended period of time, or if you are in climates above 90 degrees F, check the electrolyte level about every two weeks.

CAUTION: Do not fill battery above the split ring in filler opening. DO NOT MEASURE SPECIFIC GRAVITY IMMEDIATELY after adding water. The water must mix with the electrolyte by charging or by driving a few miles.

WARNING: The gases generated within a storage battery cell may be ignited by an open flame or spark in the vicinity of the battery. Do not use a match or flame to provide light for checking the level of the water.

During the winter the batteries should be removed from the trailer and stored in a cool, dry place, where there is no danger of freezing. It should be kept full of water, cleaned and charged monthly. A battery that is allowed to completely lose its charge will never regain its original power or a full charge.

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Active/Standby Configuration with One RA4000/4100 Array

Figure 2-20 shows an active/standby I/O path configuration for a redundant FC-AL in a four-node cluster with one RA4000/RA4100 Array.

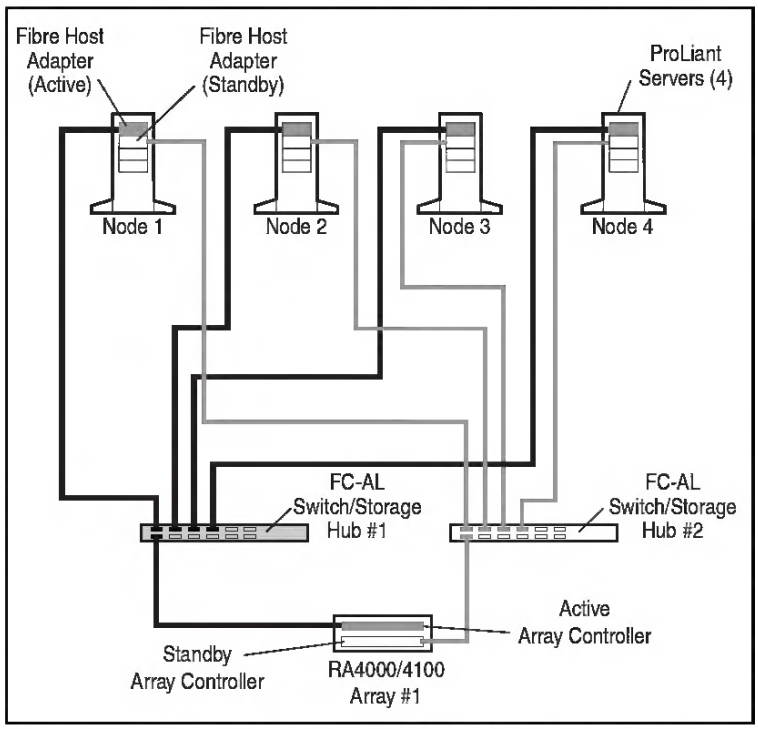

Figure 2-20. Active/standby configuration with one RA4000/RA4100 Array

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Table 3-6
Video Display Unit Test Error Codes

Error Code	Description	Recommended Action
501-xx	Video controller test failed	The following steps apply to error codes 501-xx through 516-xx: 1. Replace the monitor and retest. 2. Replace the Advanced VGA board and retest. 3. Replace the system board and retest.
502-xx	Video memory test failed	
503-xx	Video attribute test failed	
504-xx	Video character set test failed	
505-xx	Video 80 x 25 mode 9 x 14 character cell test failed	
506-xx	Video 80 x 25 mode 8 x 8 character cell test failed	
507-xx	Video 40 x 25 mode test failed	
508-xx	Video 320 x 200 mode color set 0 test failed	
509-xx	Video 320 x 200 mode color set 1 test failed	
510-xx	Video 640 x 200 mode test failed	
511-xx	Video screen memory page test failed	
512-xx	Video gray scale test failed	
514-xx	Video white screen test failed	
516-xx	Video noise pattern test failed	

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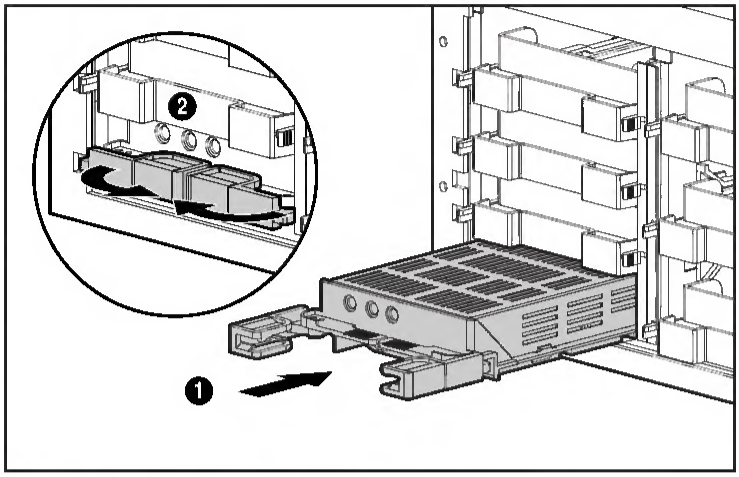

Figure 4-16. Installing a Wide-Ultra SCSI-3 drive

SCSI ID Numbers for Wide-Ultra SCSI-3

There are several possible numbering schemes depending on whether you are using 1-inch height drives, 1.6-inch height drives, or a simplex controller. The following figures illustrate the simplex mode scenarios.

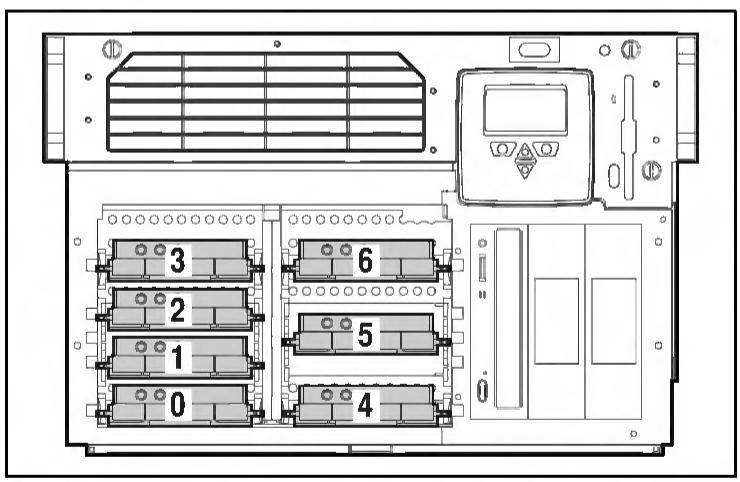

Figure 4-17. SCSI ID numbers - single SCSI channel (simplex mode) with 1-inch drives

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